SERVICEMANUAL
WINNER

handicare

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2008-01

This manual **4**
Product reference 5
Available documentation 7
Service and technical support 7
Identification plate 7
Identification of the product 7
Warranty stipulations concerning the scooter 8
Liability stipulations concerning the Product 9
Used scooters and the environment 9
Use according to purpose[1] 9
1 General safety regulations and instructions **10**
1.1 Decals and instructions on the scooter 10
1.2 Technical specifications 10
1.3 Modifications 10
1.4 Safety 10
2 Adjustment options **12**
2.1 Seat adjustments 12
2.1.1 Adjusting the seat height and depth 12
2.1.2 Backrest adjustment 12
2.1.3 Lower-backrest adjustment 12
2.1.4 Adjusting the arm-rest 13
2.1.5 Adjusting the headrest (option) 13
2.2 Adjusting the steering column 13
3 Programmer **14**
3.1 Electrical diagram 15
3.2 Connections printed circuit board 16
4 Technical specifications **17**
4.1 Product specifications 17
4.1.1 Winner 17
4.2 Approval 18
4.3 Authorized service and technical support 19
5 Use of the parts lists **20**

Parts list Winner 2000 – 2003 Page 21 - 48

Parts list Winner 2004 Page 50 - 88

This manual

This manual contains the basic instructions for repairs and general maintenance of the Winner electric scooter. Mechanics who do repairs on this scooter must be well trained and familiar with the repair methods and the maintenance of the Winner electric scooter.
It is important to see to it that work is always done safely, particularly with respect to activities where the scooter must be lifted up.
We advise that you contact our service department before doing repair work on a scooter that has been involved in an accident.
The following specifications are important when ordering parts:

- Model
- Manufacture year
- Color
- Identification number
- Part number
- Name of the relevant part

This information can be found on the identification plate. See 'Identification of the product'.

Product reference

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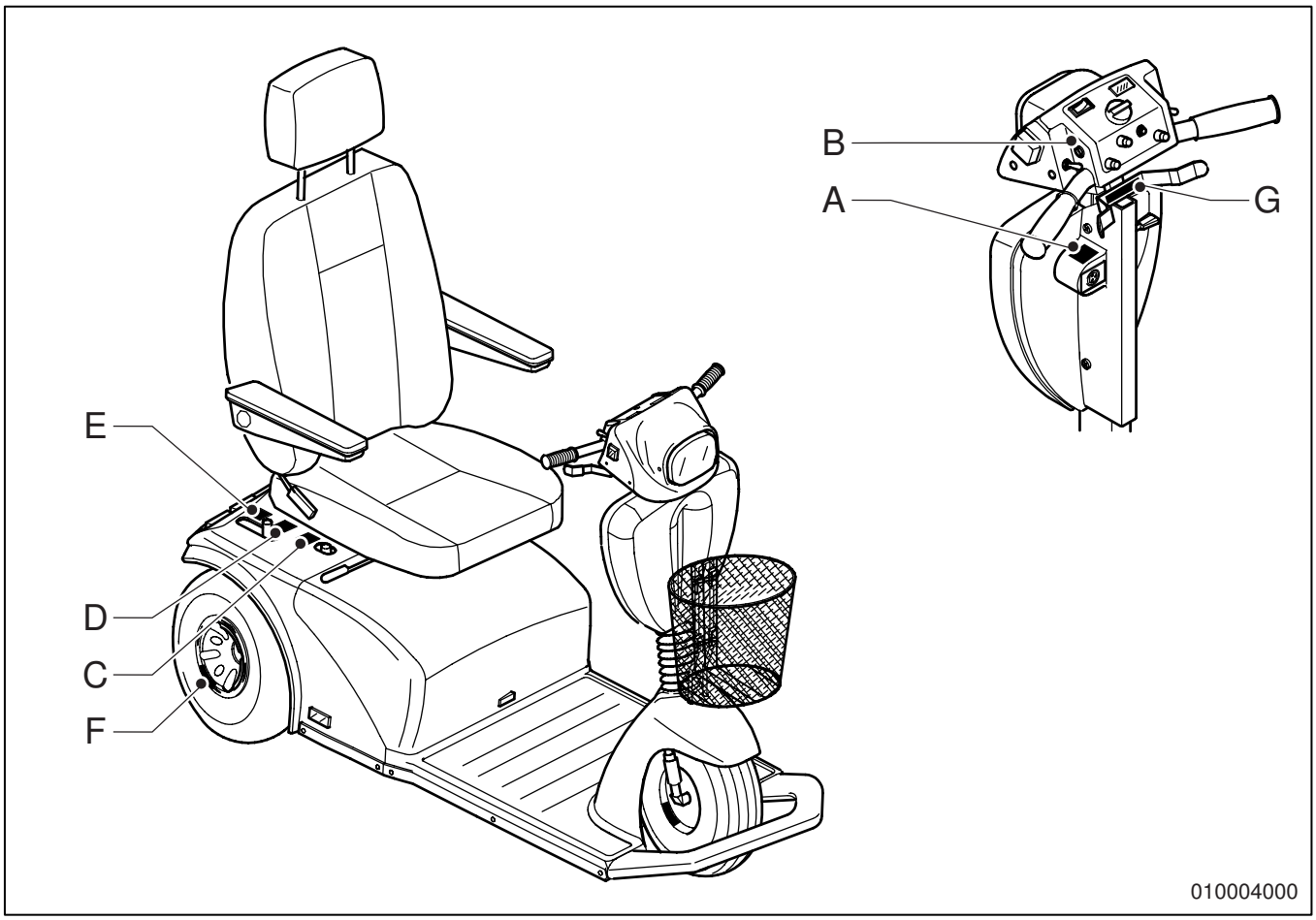
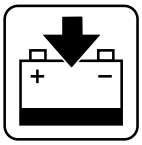


The product has the following decals and labels.

A. Charging connection
B. Fuse for lighting
C. Automatic fuse
D. Driving
E. Pushing
F. Tire pressure wheels
G. Reverse – Forward drive



A. Charging connection

For charging the batteries, see 'charging'.

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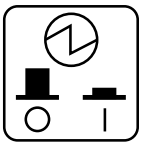
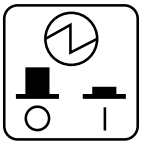


B. Fuse for the lighting

Here you find the fuse for the lighting. See 'Product specifications'.



C. Automatic fuse

The scooter has a safety fuse feature. See 'automatic fuse' and 'faults'.

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D. Driving

The drive of the motor is switched on: the scooter can be electrically driven.

E. Pushing

The drive of the motor is disconnected: the scooter can be pushed electrically.

F. Tire pressure wheels

For tire pressure of the wheels, see 'product specification sheet'.

G. Reverse – Forward drive

When the operating handle is pressed, the scooter will drive forward or in reverse. See 'Driving forward and in reverse'.
The following pictograms are used in this manual:

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CAUTION
Procedures that can result - if they are not executed properly - in damage to the product, the environment, or human injury.

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ATTENTION!
Suggestions and advice for conducting the relevant tasks or activities more easily.

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Consult the specified information source(s) first.

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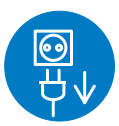

Pull the charge cord out of the charging connection of the scooter before doing any maintenance on the scooter.

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Available documentation

The following technical documentation is available for this scooter:
- Owner's manual
- Service manual.

XXXXXX-010005000-en.doc

Service and technical support

For information concerning specific settings, maintenance or repair work please contacts your dealer. He is always prepared to help you.
Ensure you have at hand:

Model
Manufacture year
Identification number

This information can be found on the identification plate. See 'Identification of the product'.

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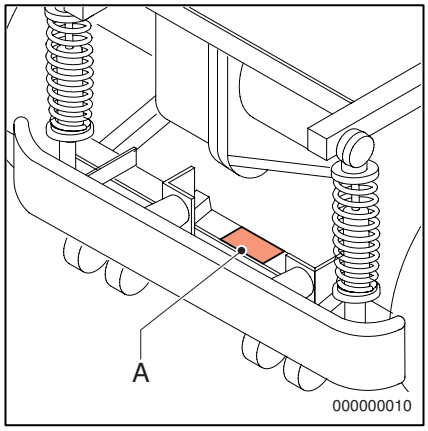
Identification plate

- See fig. 000000010.

On this plate (A) information on the product can be found. See: 'Identification of the product'.



Identification of the product

- See fig. 010007010.

A. Model
B. Manufacture year
C. Identification number
D. User area indoors or outdoors
E. Maximum load in kg

- For the place of the identification plate, see 'main components'.

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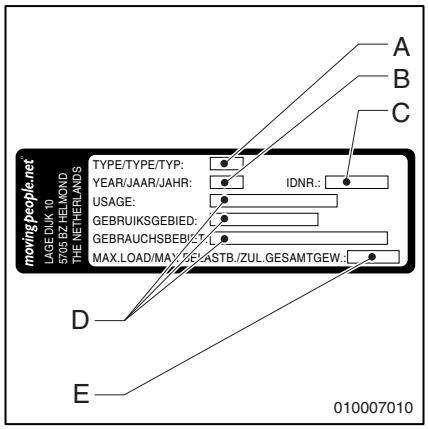

Warranty stipulations concerning the scooter

In the following warranty and liability stipulations the terms and definitions as summed up hereafter must be explained as follows:

- Product: The hand-operated or electrical wheelchair or scooter manufactured and delivered by Handicare.
- Customer: The person who directly obtains a Product from Handicare or an authorized representative.
- Dealer: The person who delivers a Product obtained from Handicare to customers or third parties.
- User: The person who uses a Product manufactured by Handicare.

Irrespective of what is determined concerning warranty conditions applicable to the Product, in any case the following applies with regard to the warranty:

1. Except insofar as described otherwise Handicare guarantees the Product for its suitability for the purpose for which the Product is intended - all of these points as described in this manual - and for the quality of the material of which the Product is made and the manner in which the Product is manufactured.
2. Repairs or replacement of parts of the Product that may be necessary as a result of faults that are based on qualitatively faulty material or manufacturing errors will be executed free of charge, as long as such faults occurred within one (1) year after the date of delivery of the Product to the Customer. The parts to be replaced must be shipped post-paid to Handicare. Disassembly or assembly of these parts is for the expense of the Customer. Therefore the following cases are not eligible for free repair or replacement as meant above:
   - The repair or replacement that is necessary in connection with faults that arise after one (1) year after the date of delivery of the Product to the Customer;
   - The repair or replacement that is required in connection with faults due to improper or careless use of the Product or that are based on the Product being used for another purpose than the one for which it is intended, in which regard it applies that if the Customer is a Dealer, this Dealer will indemnify Handicare against possible claims from Users or other third parties for faults based on an incorrect or careless use of the Product;
   - Parts that are subject to wear, and the need for repair or replacement of the parts are the actual consequence of normal wear. These can include, but are not limited to, tires, shrouds, arm-pads, seatings etc.
3. Irrespective of that stipulated under 2, it applies as far as an electric Product is concerned that with regard to the battery that forms part of the Product warranty is only given in case of faults or non-functioning of the battery that are demonstrably the direct consequence of material or manufacturing errors. A fault or non-functioning of the battery as a result of normal wear is not covered by the warranty as meant in these warranty stipulations. Similarly not covered by the warranty are faults or non-functioning that are the consequence of improper or unprofessional use of the Product or the battery that is part of the Product, including the incorrect charging of the battery and the failure to carry out timely and good maintenance, in which context it also applies that if the Customer is a Dealer, this Dealer will indemnify Handicare against possible claims from Users or other third parties that are based on the above mentioned improper or unprofessional use of the Product or the battery that is part of the Product. Handicare does not guarantee batteries provided by dealers or purchased by the customer.
4. The warranty conditions as mentioned in above stipulations in any case become null and void if:
   - The guidelines of Handicare for the maintenance of the Product are not, or insufficiently, followed;
   - A necessary repair or replacement of parts is based on neglect, damage or abuse of the Product or a use of the Product for another purpose than the one for which it was intended;
   - Parts of the Product are replaced by parts of another origin than those which Handicare uses and/or parts of the Product are replaced without the permission of Handicare.
5. The warranties as mentioned in stipulations 1 through 3 also become null and void if what is involved is re-used by a new user within the warranty period and that such re-use necessitates adaptations to the product and those adaptations are carried out without the instructions and/or at the order of Handicare.
6. To retain rights under the above delineated warranties the Customer must, in case of damage or other calamities, as rapidly as possible contact Handicare and inform them as fully as possible. The possibility of taking recourse to the above-mentioned warranty conditions becomes null and void for the Customer in any case after 20 workdays after the claim situation or the calamity arises that was the reason for the recourse to the guarantee.
7. The replacement of a part or the repair or the reconditioning of the Product within a current warranty period does not extend the warranty period.
8. Handicare gives no warranty on repair to or reconditioning of the Product carried out other than under order of and/or at the instructions of Handicare. If repairs and/or reconditioning are executed by or on behalf of a Customer, the Customer indemnifies Handicare with respect to the claims of third parties who result, in the broadest sense of the word, from such repairs or reconditioning.

Liability stipulations concerning the Product
Irrespective of what is determined regarding liability in the general conditions applicable to the Product, with regard to liability in any case the following applies:

1. taking into consideration the following stipulations, Handicare only accepts liability for loss due to death or physical injury that is the result of a defect in the Product for which Handicare is responsible and for damage to another object that is the private property of the user of the Product, as long as said loss is the direct result of a fault in the Product.
2. Handicare accepts no other or further liability than delineated under 1. In particular Handicare accepts no liability for consequential damage, in any form whatsoever.

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Used scooters and the environment

If your scooter has become superfluous or needs to be replaced, it can usually be taken back by your dealer. If this is not possible, please contact your local authorities for the possibilities of recycling or an environmentally friendly way of disposing of the used materials.
For the production of the scooter several plastics and metals have been used. The scooter also contains electronic components that must go to electronic waste. Used batteries belong to chemical waste.

Use according to purpose[1]

The scooter Winner was designed for:

- transport of persons with a weight of up to 159 kg
- use on paved roads, sidewalks, footways, and bike-ways.
- use in and around the house

Your supplier should give you good user's instructions before you can independently operate the product and participate in traffic.
You must be able to correct the consequences of actions while driving the Winner.
Consider operating the Winner scooter under the monitoring of an experienced dealer during first operations.
The Winner scooter is not a motorized vehicle in the traffic regulations sense.

The Winner has a maximum speed of approximately 12 or 15 km/h (7 or 10 mph), depending on the model.

PLEASE MAKE SURE YOU ARE WELL ACQUAINTED WITH THE CONTENTS OF THIS OWNER'S MANUAL BEFORE DRIVING THE WINNER.

If you use the scooter for other purposes than those for which it is intended, Handicare accepts no liability whatsoever for damage or injury resulting from such use other than that for which the scooter was developed and designed.

'Use according to purpose' as established in EN 292-1 is the use for which the technical product is suitable according to the statement of the manufacturer, including his instructions in the sales brochure. In case of doubt this is the use that follows from the construction, execution and function of the product. Use according to purpose also includes taking into consideration the instructions in the owner's manual.

1 General safety regulations and instructions

Handicare accepts no liability whatsoever for damage or injury caused by the failure to (strictly) adhere to the safety guidelines and instructions or else due to carelessness during the use and cleaning of the scooter and possible accessories. Depending on the specific work circumstances or the accessories used, additional safety instructions may be required. Please contact your dealer immediately if you observe a potential danger during the use of the product.

The user of the scooter (see under 'use according to purpose') is at all times fully responsible for the fulfillment of the locally applicable safety regulations and guidelines.

1.1 Decals and instructions on the scooter

Signs, symbols and instructions placed on this scooter comprise part of its safety facilities. They must never be covered or removed and must remain present and clearly legible throughout the entire life span of the scooter. Immediately replace or repair illegible or damaged signs, symbols and instructions. Contact your dealer with regard to this.

1.2 Technical specifications

The technical specifications may not be changed.

1.3 Modifications

Modification of (parts of) this product is not permitted.

1.4 Safety

To avoid accidents and undesirable situations, it is of great importance to pay attention to the following safety instructions.

- *Pay extra attention to riding on slopes:*
  - *Never drive the Winner up a slope with an angle greater than 10°.*
  - *On slopes always drive slowly and with awareness.*
  - *Never drive down a slope at full speed.*
  - *Do not drive down slopes with loose gravel or a sandy surface, because one of the back wheels might slip.*
  - *Do not turn on a slope.*
- *Never take curves at full speed. Decrease speed on the approach and on the curve.*

- *Be sure that no items of clothing hang loose. These could become caught between the wheels.*
- *Make sure your fingers do not get caught in the mechanism of the steering adjustment.*

- *Adjust your driving according to the circumstances:*
  - *Drive carefully on slippery roads, resulting from rain, ice, or snow!*
  - *Drive more slowly in crowded environments.*
  - *Do not use the scooter on uneven roads.*
  - *Avoid the Winner from coming into contact with seawater. Seawater is caustic and may damage the scooter.*
  - *Avoid the Winner from coming into contact with sand. Sand can affect the moving parts of the scooter, resulting in unnecessarily rapid wear.*
- *Never operate the scooter when you are under the influence of drugs, alcohol or medication that could affect your driving ability.*
- *You must have sufficient visual acuity to be able to drive safely in the scooter.*
- *You are obliged to put the lights on when the view is hindered.*
- *Only use the indicator lights to indicate an intended change in driving direction.*
- *Only use the horn when it is necessary to warn pedestrians of other road users of dangerous circumstances.*

- *Never place metal parts on top of the batteries: this may cause a short in the batteries, resulting in damage.*
- *Do not take along any passengers: your scooter was specifically designed to transport only yourself.*
- *Do not burden your scooter with any more load than can be placed in the basket.*
- *Never hang anything from the handlebars.*

- *Never use your scooter to pull a cart: the scooter was not designed for this. Anyway, it is prohibited to do so. You might seriously damage your scooter if you do.*
- *Do not use the footplate as a step.*
- *Do not place your feet close to the front wheel and the front fork. Always keep your feet on the rubber mat, rather than against the front cover.*

- *The scooter is electronically operated. Certain parameters have been factory-set. These settings guarantee a comfortable and efficient use. It is not permitted to change these parameters.*
- *The standard version of your scooter was tested according to the strictest EMC requirements. Mobile telephones have no influence on the driving behaviour of the scooter.*
  When using a mobile telephone in the vicinity of a scooter with special adaptations, you are advised to first switch off the scooter.
- *Your scooter may influence electromagnetic fields such as alarm systems.*
- *If the electronics of the scooter is not properly screened off, this may affect sensitive electrical appliances, such as shop alarms and garage openers. The scooter has been tested for this. Should any problems of this nature occur, please report these to your supplier immediately.*

- *Take care in ultra-violet light: this may cause premature deterioration of materials such as rubber, plastic, and enamel.*
- *Watch out for protruding parts: these may damage your scooter or the environment.*
- *Keep your scooter away from open flames.*

2 Adjustment options

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2.1 Seat adjustments

The Winner seat offers a number of adjustment options to increase the sitting and driving comfort.

The following may be adjusted:
A. Seat height and depth
B. Backrest
C. Lower-back rest
D. Arm-rests
E. Headrest
F. Steering column

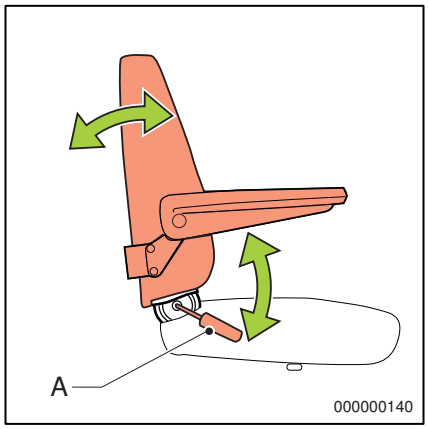
2.1.1 Adjusting the seat height and depth

The whole seat may be adjusted as follows:
- 10 cm in height
- 10 cm in forward direction

Both adjustments should be made by the dealer.

2.1.2 Backrest adjustment

- See fig. 000000140.



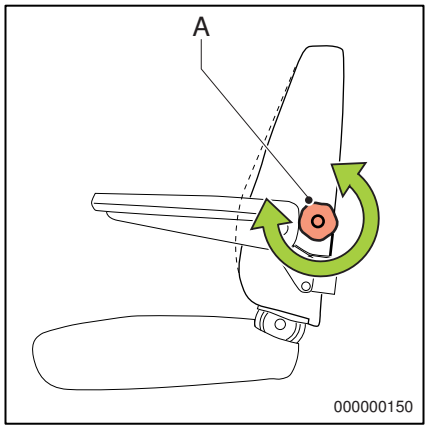
The backrest is continuously adjustable, from a fully horizontal to a fully vertical position.
The adjustment must be done as follows:
- Pull up the handle (A) while you are on the seat.
  The backrest will now automatically move forward.
- Press the backrest backward by leaning back to a position that is most comfortable for you.
- After adjustment, push the handle down to secure the backrest in the position you have chosen.

Attention:
Do not operate the handle if the seat is unoccupied, because the backrest will come forward very powerfully.

The backrest must be adjusted in such a way that your back is properly supported while driving. If the backrest is tilted too far backwards, this will negatively influence the seating stability, especially on slopes.

2.1.3 Lower-backrest adjustment

- See fig. 000000150.

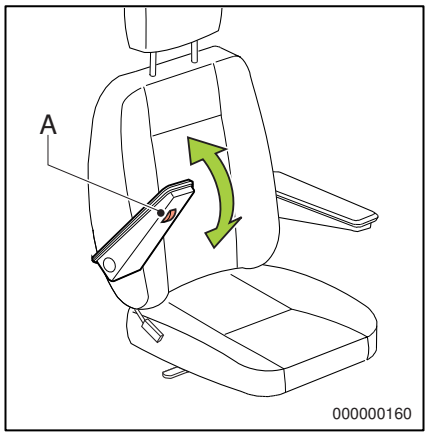


The lower-backrest can be adjusted to various positions, varying from more or less support in the lower-back area.

The adjustment must be done as follows:
- Seat yourself on the seat.
- Turn knob (A) in such a way that the lower-backrest reaches the most optimal position for you.

2.1.4 Adjusting the arm-rest

- See fig. 000000160.



Both armrests can be folded up completely. The height and the angle of the armrest can be adjusted.

The adjustment must be done as follows:

- Turn wheel (A) to adjust the height and the angle of the arm-rest.

Attention: if the position of the backrest is adjusted, the position of the
Armrests will change along with it.

2.1.5 Adjusting the headrest (option)

The headrest can be adjusted as follows:

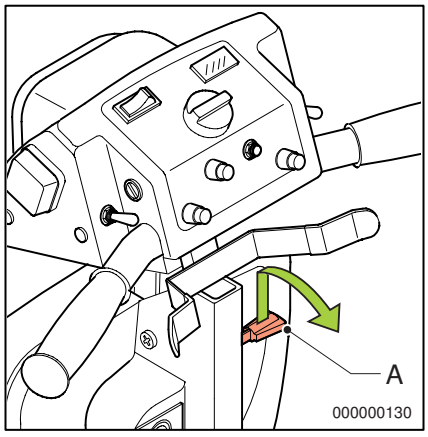
- Three height adjustments
- Tilting forward and back

Adjusting the height of the headrest
The headrest can be pulled up by hand, and will lock into one of three positions by means of a click.

Tilting the headrest:
The headrest can be tilted by hand until the desired position is reached.

2.2 Adjusting the steering column

- See fig. 000000130.



The steering column can be adjusted as follows:

- Pull up handle (A) with one hand, while at the same time pulling the steering column towards you with the other, until the most comfortable position is reached.
- Release the handle in the chosen position. Then, release the steering column.

If you release the steering column while still holding up the handle, the gas-spring-loaded steering column will move to its most forward position.

Use caution when adjusting the steering column, to avoid getting your fingers jammed.

3 Programmer

A programmer is deliverable for programming the Winner. An user maunal belongs to the delivery of this manual.

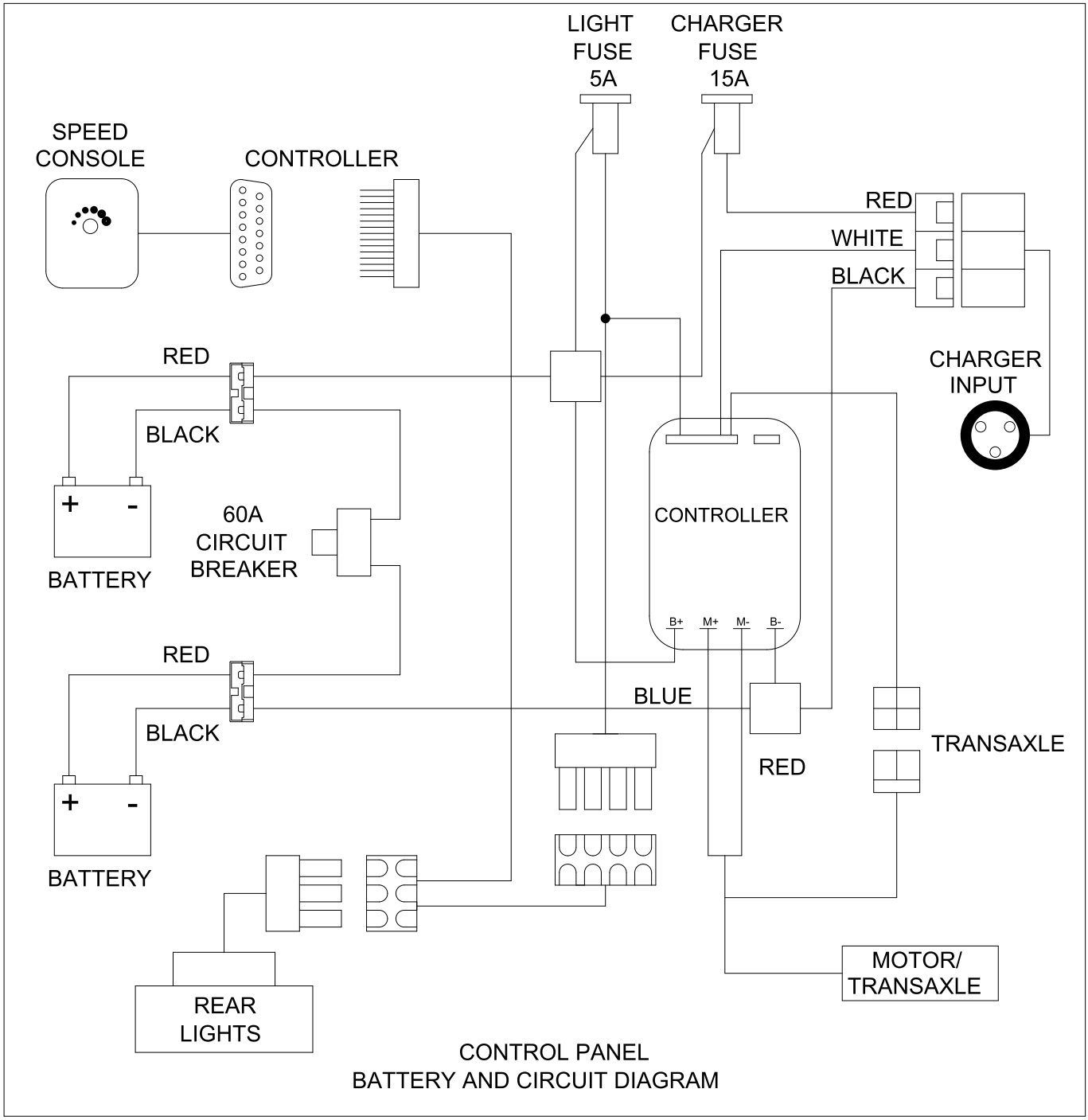
The standard adjustments are stated in the table beow.

Function	SP1B (Winner <2003)	Winner 2004
Forward acceleration	30	30
Forward deceleration	17	17
Reverse acceleration	35	35
Reverse deceleration	35	35
Forward speed	100	100
Reverse speed	30	40
Invert throttle polarity	No	Yes
Power down timer	20	20

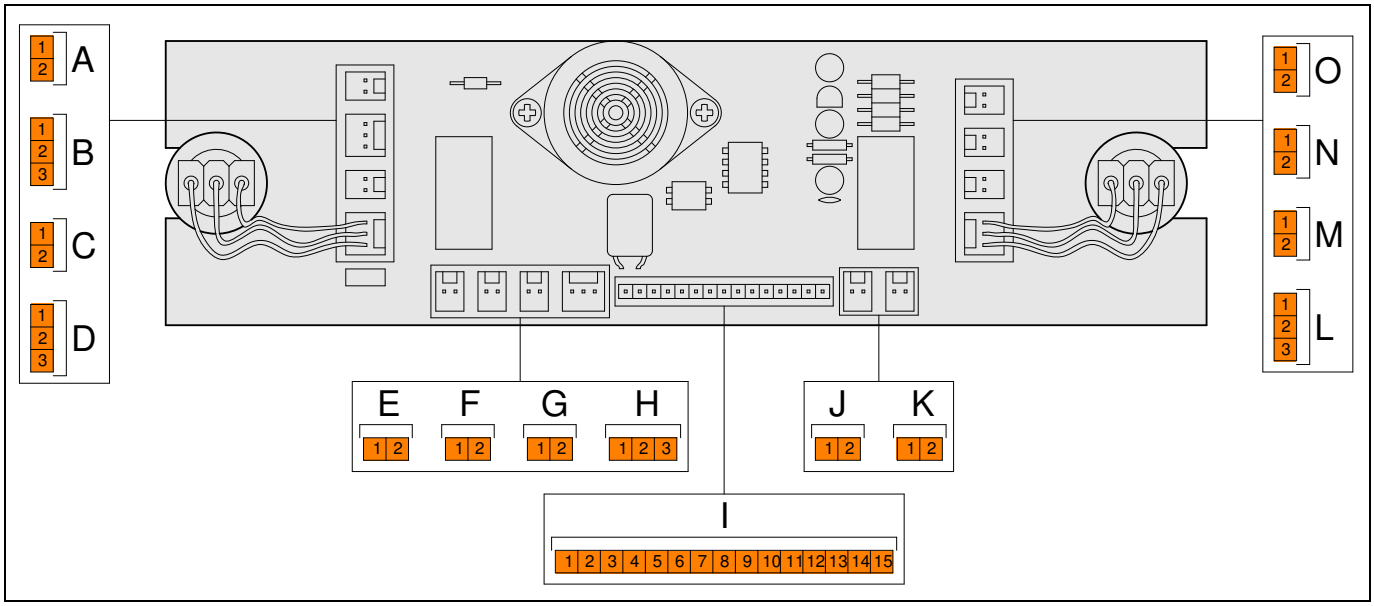
Engineering menu	SP1B	SP1B Winner 2004
Current limit	110	110
Motor compensation	60	60
Hold factor	108	152
Mid current	15 s / 85 %	15 s / 50 %
Brake time	80	80
ISO test	On	On
Inhibit polarity	Lo	Lo
Bridge hold time	60	60
Throttle gain	125	150
Pulse reverse alarm	Yes	Yes
Wig-wag throttle	Yes	Yes
Low battery flash inhibit	No	No
Throttle deadband	15	15
Output voltage	24	24
TruCharge cable resistance	40	40
TruCharge calibration	100	100

Programmer	Code
SP1-B	90000009

3.1 Electrical diagram



3.2 *Connections printed circuit board*



For the connections of the printed circuit board, see the table below.

Nr.	Cable function	Number of the connections	Colour of the cables
A	Battery meter	1	Brown
		2	Red
B		1-2	NC
C	Flashing light right	1-2	Black
D	Turn indicator switch	1	Red
		2	White
		3	Green
E	Button horn	1-2	Black
F	Contact plug	1-2	Black
G	Turn switch speed control	1	Black
		2	White
H	Speed control forward - backward	1	Black
		2	Bleu
		3	Red
I	Controller connection	1-15	Grey
J	Alarmlights	1-2	Black
K	Button horn	1-2	Black
L	Turn indicator switch	1	Green
		2	White
		3	Red
M	Flashing light left	1-2	Black
N	Lighting switch	1-2	Black
O	Front light	1	Red
		2	Black

4 Technical specifications

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4.1 Product specifications

Manufacturer:	Handicare

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4.1.1 Winner

Model	Winner
Maximum user's weight	159 kg

Description	Min.	Max.
Total length	1400 mm	
Total width	673 mm	
Total weight incl. batteries	110 kg	
Weight of heaviest part	54 kg	
Static stability downward	> 10°	
Static stability upward	> 10°	
Static stability sideways	> 10°	
Energy consumption: theoretic maximum distance	50 km	
Dynamic stability on slopes	> 10°	
Climbing capacity for obstacles	100 mm	
Maximal speed forward	15 km/h	
Minimum brake distance from maximum speed	3550 mm	
Seat angle	2°	
Effective seating depth	432 mm	
Effective seating width	457 mm	
Sitting height from the front (adjustable in steps of 25 mm (0.8"))	455 mm	520 mm
Back angle	90°	115°
Back height	533 mm	689 mm
Armrest height	250 mm	

Description	
Front armrest to backrest	260 mm
Minimum radius	1400 mm
Capacity to drive over obstacles	100 mm
Ground clearance	114 mm
Turning space	< 2000 mm

Test data	
Weight test dummy	159 kg

Operating force	
Operating-handle power	< 60 N
Resetting automatic fuse	< 60 N
Electronic switches	< 15 N
Parking brake	< 60 N
Inserting charging plug	< 60 N

Technical data	
Diameter front wheel	310 x 108 mm (12.5" x 4.25")
Diameter rear wheels	310 x 108 mm (12.5" x 4.25")
Tire pressure wheels	276 kPa (2.76 Bar)

Batteries	
Maximum dimensions batteries	324 x 175 x 213 mm
Weight scooter without batteries	54 kg
Battery capacity	80 Ah/20h
Maximum permissible charging voltage	13.6 V
Maximum charging current	7 A
Connector type	A DIN 72311

4.2 Approval

The product meets the following standards:

1. NEN-EN 12182 Technical tools for the handicapped - General standards and testing methods October 1997.
2. NEN-EN 12184 Electrically driven wheelchairs, scooters and associated charging equipment - Standards and testing methods April 1999.
3. The Winner 3-wheel scooter is classified according to EN12184 in class C.
4. ISO 7176-8 Requirements and test methods for impact, static, and fatigue strength July 1998.
5. ISO 7176-9 climate tests for electric wheelchairs and scooters.
6. ISO 7176-14 Standards and test methods for controller systems of electrically driven wheelchairs 1997.
7. ISO 7176-16 Requirements of resistance to fire, May 1997.

4.3 Authorized service and technical support

For problems or questions contact your dealer.
Ask us for information on the nearest dealer.

Manufacturer:	Handicare

Dealer stamp	

XXXXXX-011000000-nl.doc

5 Use of the parts lists

This document is meant as a reference book to be able to order parts for the scooter as shown on the front.

How to order:
To order parts please specify:
- Serial number (see the identification plate).
- Group (to which the relevant part belongs).
- Article number.
- Number of parts required.
- Description (in the relevant language).
- Dimensions (if applicable).

Remark:
- If a part does not have a position number, it means that the relevant part cannot be bought separately. The relevant part is part of the composition that is shown. Only the composition can be ordered, so it must be replaced in its entirety.
- Boxed position numbers refer to the relevant drawing.

Order address:
Please send orders by post or fax to your supplier.

Service technicians:
Repairs may only be done by trained and authorized service technicians.
In the execution of their work they are at all times fully responsible for the fulfilment of locally applicable safety guidelines and standards.
Temporary employees and persons in training may only execute repair and replacement work under the supervision of an authorized service technician.

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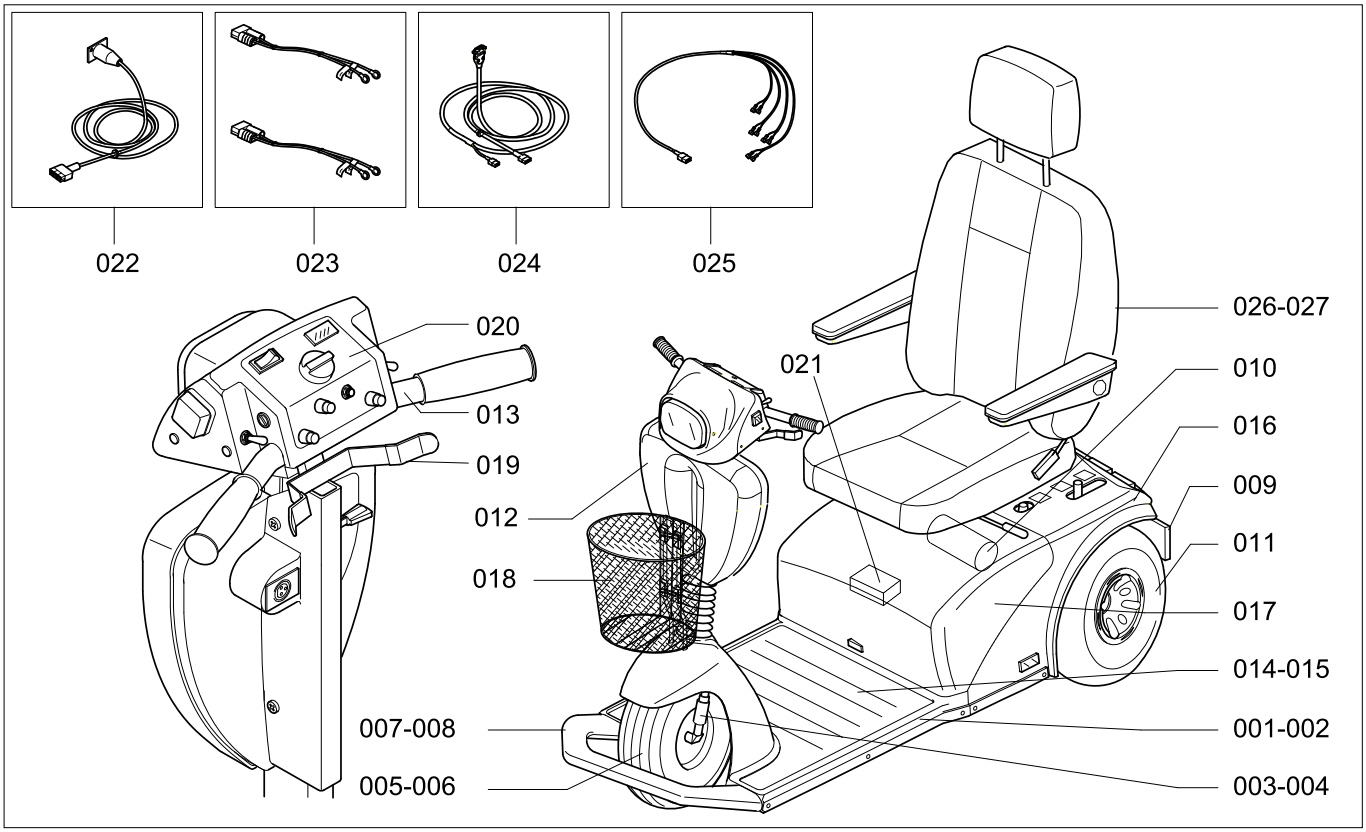
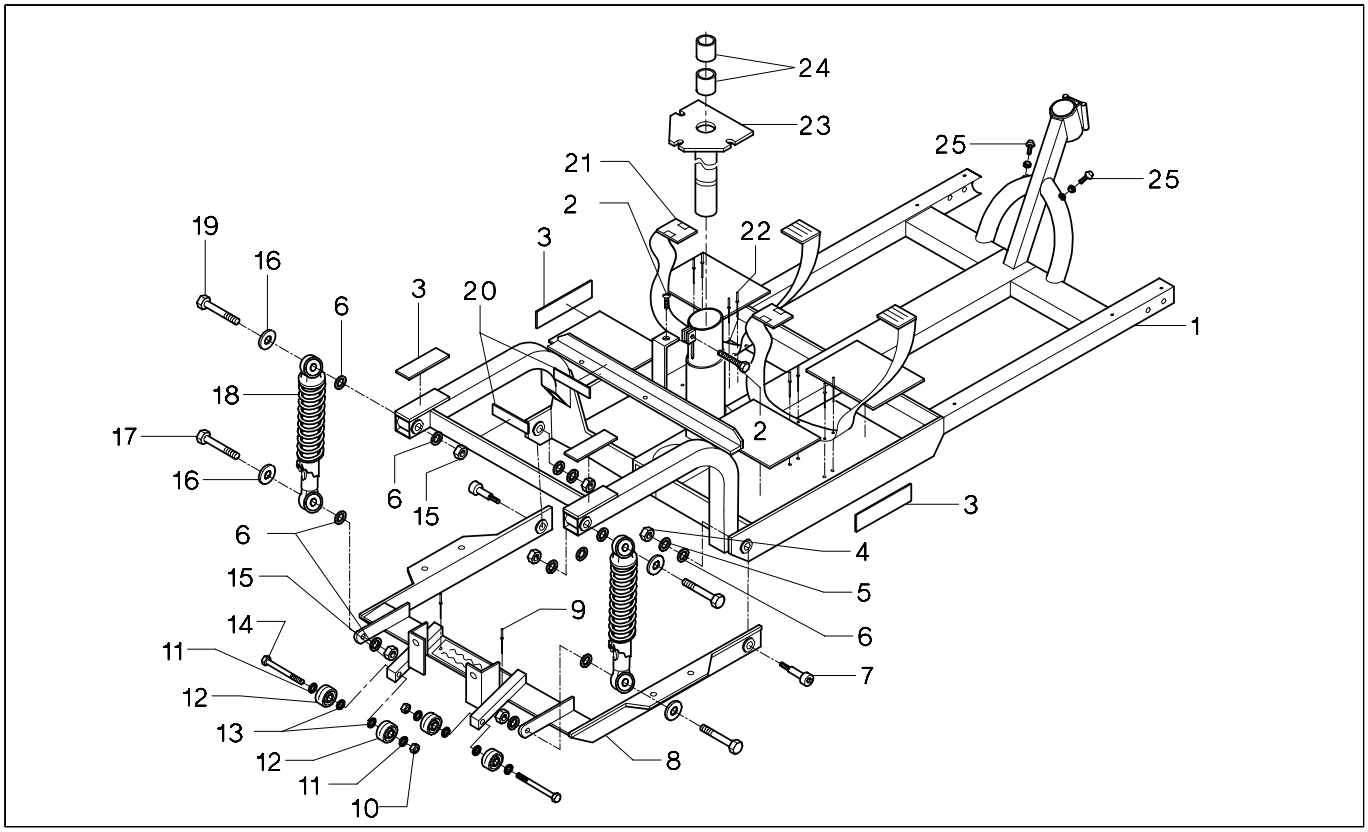


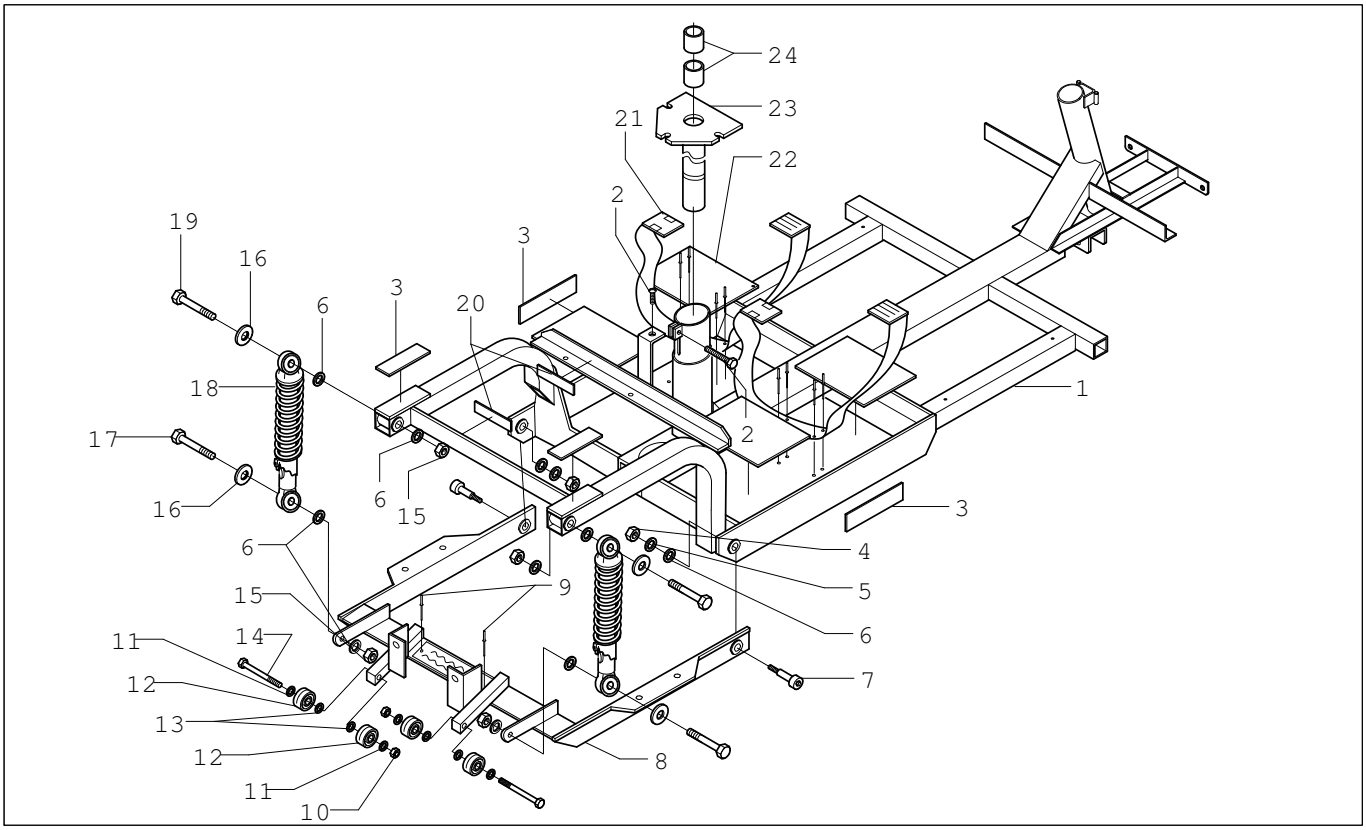
	Description
001	Front frame assy 3 wheel
002	Front frame assy 4 wheel
003	Front fork 3 wheel
004	Front independent suspension assy 4 wheel
005	Front tire assy 3 wheel
006	Front tire assy 4 wheel
007	Front bumper assy 3 wheel
008	Front bumper assy 4 wheel
009	Rear bumper assy
010	Drive transaxle assy
011	Rear tire assy
012	Tiller parallel assy
013	Tiller parallel assy 3/4 wheel
014	Front floorpan assy 3 wheel
015	Front floorpan assy 4 wheel
016	Rear motor cover
017	Battery cover assy
018	Front basket assy
019	Console assy
020	Console assy
021	Controller panel assy
022	Charger cable assy
023	Battery cable assy
024	Main wire harness
025	Rear light harness
026	Seat frame
027	Seat

- 001: Front frame assy 3 wheel



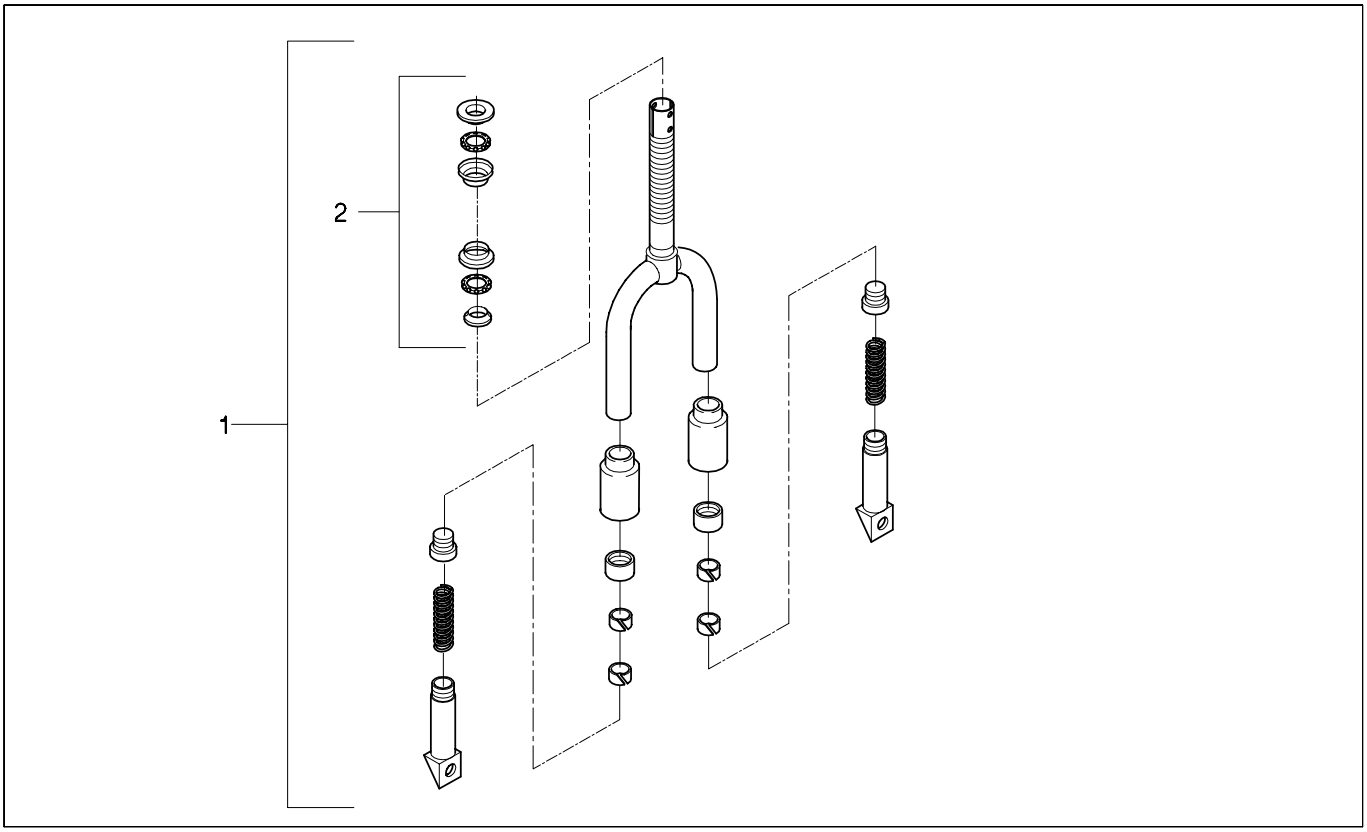
Pos	Article number	Units	Description	Price 2008
1	110.00071.000	1	Front frame 3w	£347,07
2	001.03150.001	1	Screw m8 1,0x30mm	£0,83
3	No spare part	4	Velcro	-
4	No spare part	2	Locknut 5/16 18unc	-
5	No spare part	2	Flatwasher 5/16	-
6	No spare part	10	Flatwasher 3/8	-
7	001.03090.008	2	Shoulder bolt 3/8x5/8	£2,42
8	110.00081.000	1	Rear frame 3w	£130,41
9	No spare part	2	Rivet pop	-
10	No spare part	2	Locknut 1/4 20unc	-
11	No spare part	4	Flatwasher 1/4	-
12	258.00361.000	4	Screw 1/4 20unc x3 1/4lg	£4,14
13	No spare part	4	Wheel plastic 2"	-
14	No spare part	2	Flatwasher nylon 1/4	-
15	No spare part	4	Locknut 3/8 16unc	-
16	No spare part	4	Flatwasher m10	-
17	No spare part	2	Screw 3/8 16uncx1 3/4lg	-
18	013.00021.000	2	Spring shock	£56,58
19	No spare part	2	Screw 3/8 16uncx2 5/8lg	-
20	No spare part	2	Velcro	-
21	138.00011.000	2	Battery strap	£9,66
22	No spare part	8	Rivet pop	-
23	5020	1	Seat holder	£58,65
24	1351	2	Bushing brons	£2,69
25	001.35000.001	2	Adjustment spindel	£0,83

- 002: Front frame assy 4 wheel



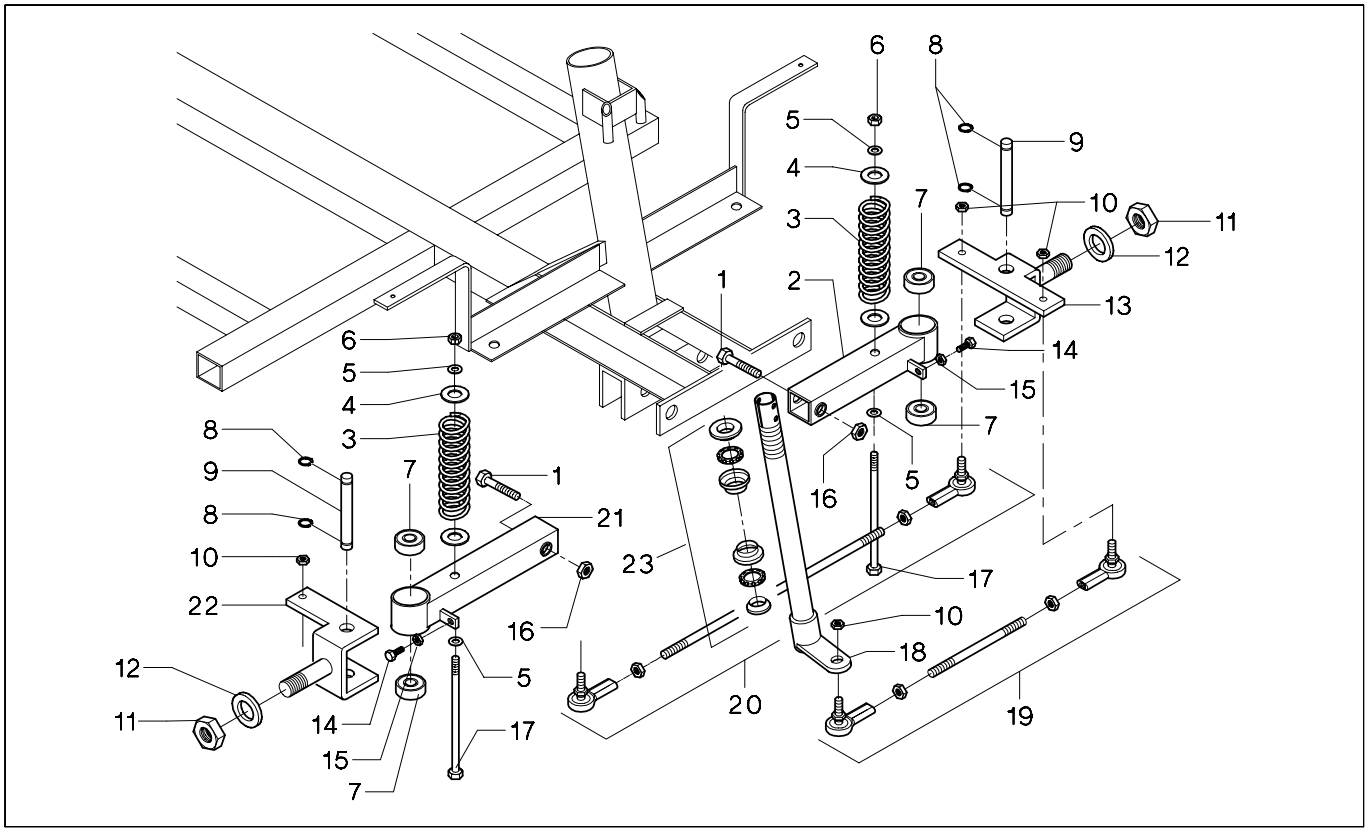
Pos	Article number	Units	Description	Price 2008
1	110.00061.000	1	Front frame 4w	£347,07
2	001.03150.001	1	Screw m8 1,0x30mm	£0,83
3	No spare part	4	Velcro	-
4	No spare part	6	Locknut 5/16	-
5	No spare part	2	Flatwasher 5/16	-
6	No spare part	10	Flatwasher 3/8	-
7	001.03090.008	2	Shoulder bolt 3/8x5/8	£2,42
8	110.00081.000	1	Rear frame 4w	£130,41
9	No spare part	2	Rivet pop	-
10	No spare part	2	Locknut 1/4	-
11	No spare part	4	Flatwasher 1/4	-
12	258.00361.000	4	Wheel plastic 2"	£4,14
13	No spare part	4	Flatwasher nylon 1/4	-
14	No spare part	2	Screw 1/4 20unc x3 1/4lg	-
15	No spare part	4	Locknut 3/8 16unc	-
16	No spare part	4	Flatwasher m10	-
17	No spare part	2	Screw 3/8 16unc x1 3/4lg	-
18	013.00021.000	2	Spring shock	£56,58
19	No spare part	2	Screw 3/8 16unc x2 3/4lg	-
20	No spare part	2	Velcro	-
21	138.00011.000	2	Battery strap	£9,66
22	No spare part	8	Rivet pop	-
23	5020	1	Seat holder	£58,65
24	1351	2	Bushing brons	£2,69

- 003: Front fork 3 wheel



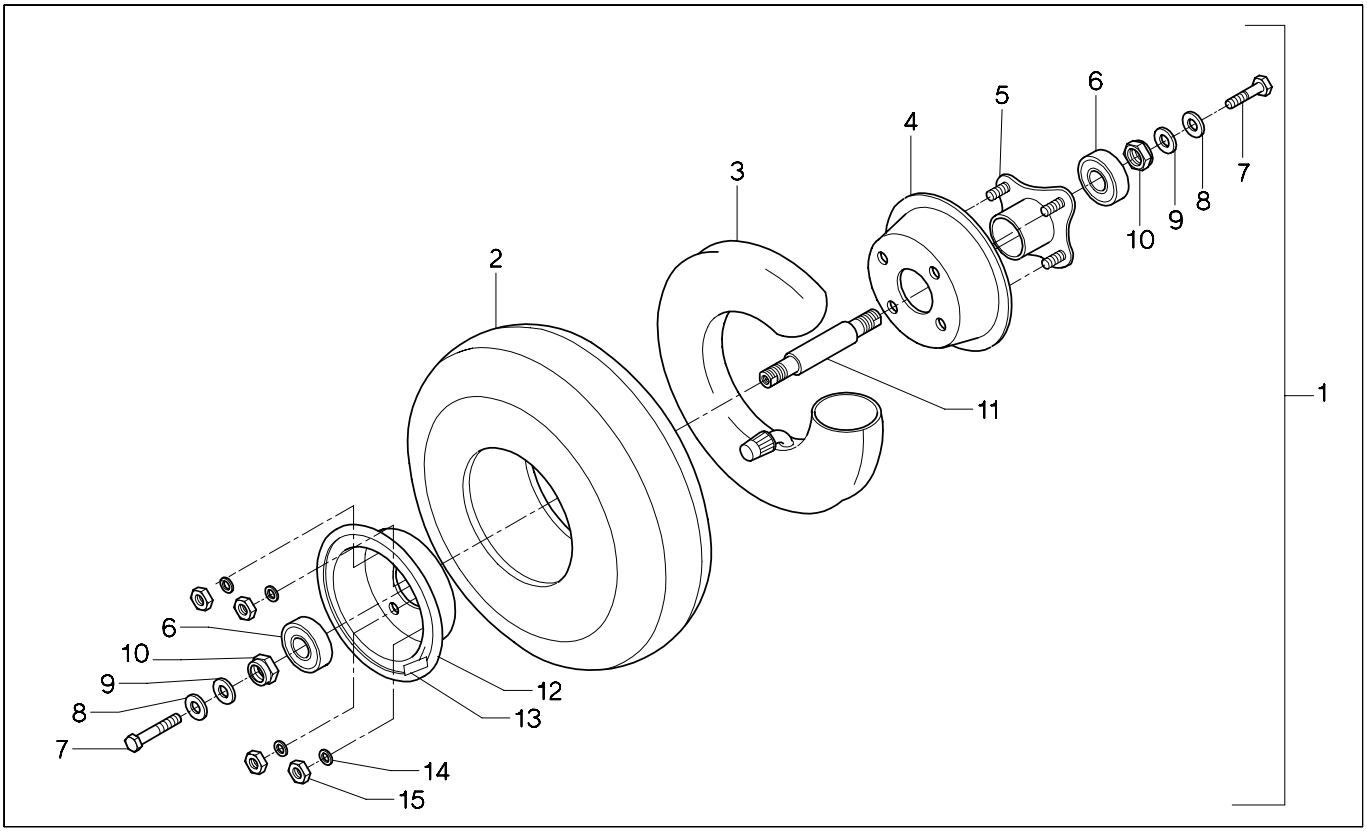
Pos	Article number	Units	Description	Price 2008
1	110.00021.000	1	Front fork assembly	£105,57
2	015.07010.002	1	Ball head bearing set	£15,18

- 004: Front independent suspension assy 4 wheel



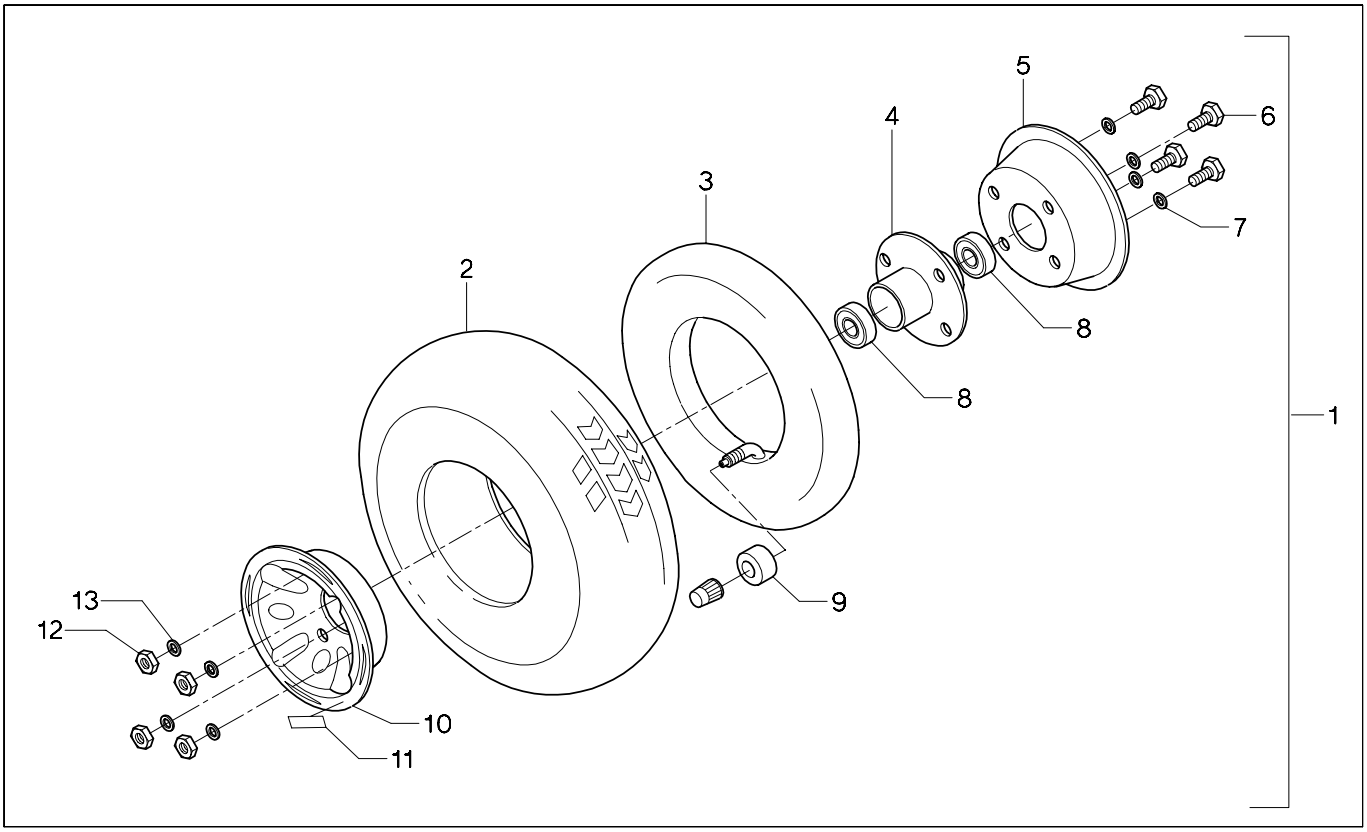
Pos	Article number	Units	Description	Price 2008
1	No spare part	2	Screw 3/8 16unc x2 1/4lg	-
2	110.00051.000	1	Swingarm LH	£23,46
3	013.00041.000	2	Compression spring	£17,25
4	No spare part	4	Flatwasher 5/16 wide	-
5	No spare part	4	Flatwasher 5/16	-
6	No spare part	2	Locknut 5/16 18unc	-
7	015.07020.001	4	Bearing	£4,14
8	001.01100.002	4	Retaining ring external	£0,83
9	001.03090.006	2	Pivot pin	£4,35
10	001.00220.001	4	Locknut 5/16 24unf	£0,83
11	001.00220.005	2	Locknut 5/8 18unf	£0,83
12	No spare part	2	Flatwasher 5/8	-
13	123.00061.000	1	Tie rod axle bracket LH	£30,36
14	001.03130.001	2	Screw 1/4 20unc x1"	£1,59
15	001.00220.004	2	Nut 1/4 20unc	£0,21
16	No spare part	2	Locknut 3/8 16unc	-
17	No spare part	2	Screw 5/16 18unc x5	-
18	124.00081.000	1	Steering arm	£37,95
19	124.00061.000	1	Steering rod short	£10,35
20	124.00071.000	1	Steering rod long	£13,80
21	110.00091.000	1	Swingarm RH	£23,46
22	123.00051.000	1	Tie rod axle bracket RH	£30,36
23	015.07010.001	1	Ball head bearing set	£15,87

- 005: Front tire assy 3 wheel



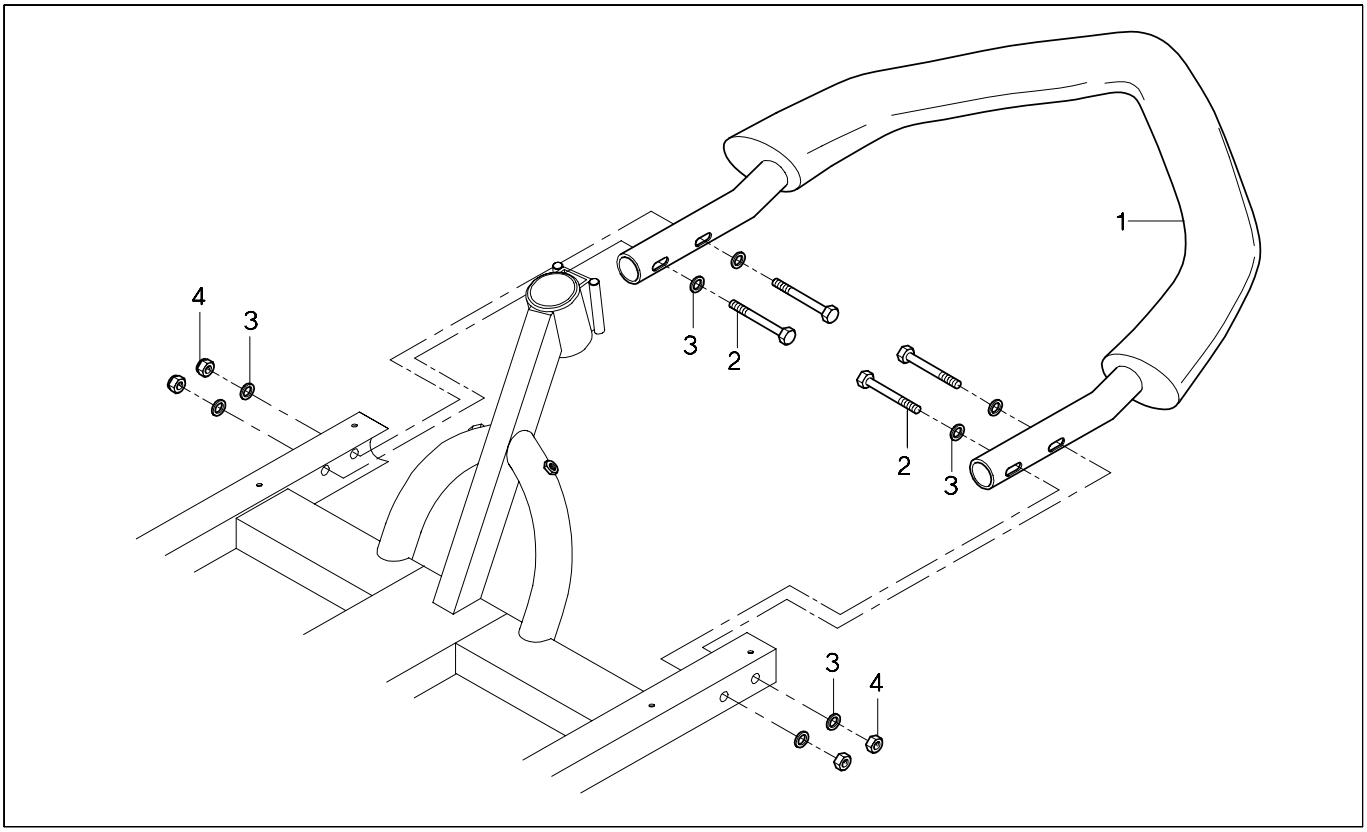
Pos	Article number	Units	Description	Price 2008
1	170.00341.000	1	Wheel tire assy 3w air	£77,28
2	172.00061.000	1	Tire 6"	£28,98
3	171.00041.000	1	Tube inner with cap	£9,66
4	173.00041.000	1	Inner rim 6"	£20,07
5	176.00181.000	1	Hub	£13,80
6	015.07030.001	2	Bearing	£6,56
7	001.03130.004	2	Screw 5/16 24unf x1 1/4	£0,83
8	001.01020.018	2	Lockwasher 5/16	£0,21
9	001.01110.001	2	Flatwasher 5/16	£0,83
10	001.00220.005	2	Locknut 5/8 18unf	£0,83
11	176.00171.000	1	Axle front	£7,59
12	173.00051.000	1	Outer rim 6"	£28,98
13	00001.1462	1	Label max 2,7 bar	£0,35
14	001.01020.019	4	Lockwasher 3/8	£0,83
15	001.00220.003	4	Locknut 3/8 24unf	£0,83

- 006: Front tire assy 4 wheel



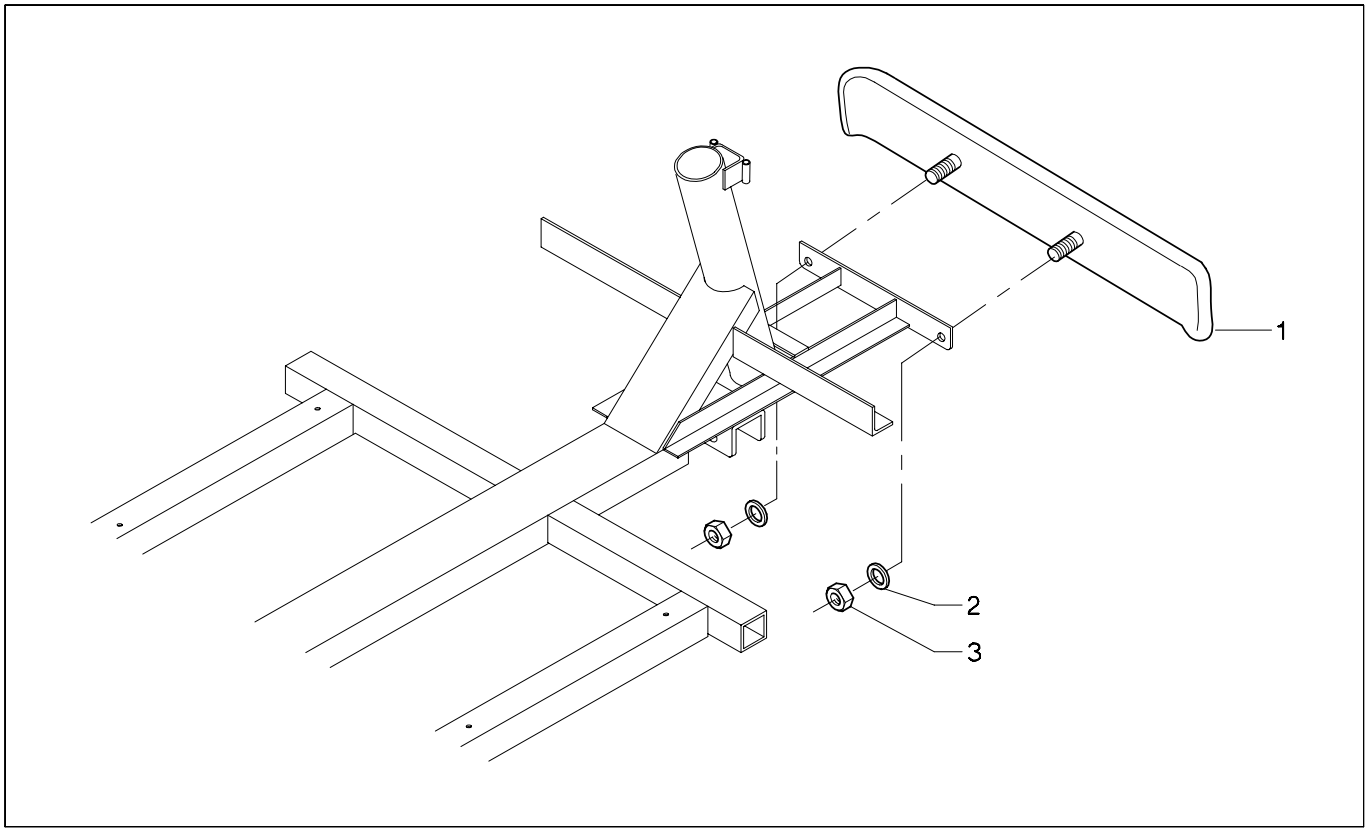
Pos	Article number	Units	Description	Price 2008
1	170.00401.000	1	Wheel tire assy 4w air	£71,76
2	172.00071.000	1	Tire 5"	£28,98
3	171.00051.000	1	Tube inner with cap	£9,66
4	176.00211.000	1	Hub	£13,80
5	173.00031.000	1	Inner rim 5"	£10,35
6	001.01110.003	4	Flatwasher 3/8	£0,14
7	001.03130.002	4	Screw 3/4 24unf x1"	£0,83
8	015.07030.001	2	Bearing	£6,56
9	176.00191.000	1	Spacer bushing	£1,59
10	173.00061.000	1	Mag outer rim 5"	£28,98
11	00001.1462	2	Label max 2,7 bar	£0,35
12	001.00220.003	4	Locknut 3/8 24unf	£0,83
13	001.01020.019	4	Lockwasher 3/8	£0,83

- 007: Front bumper assy 3 wheel



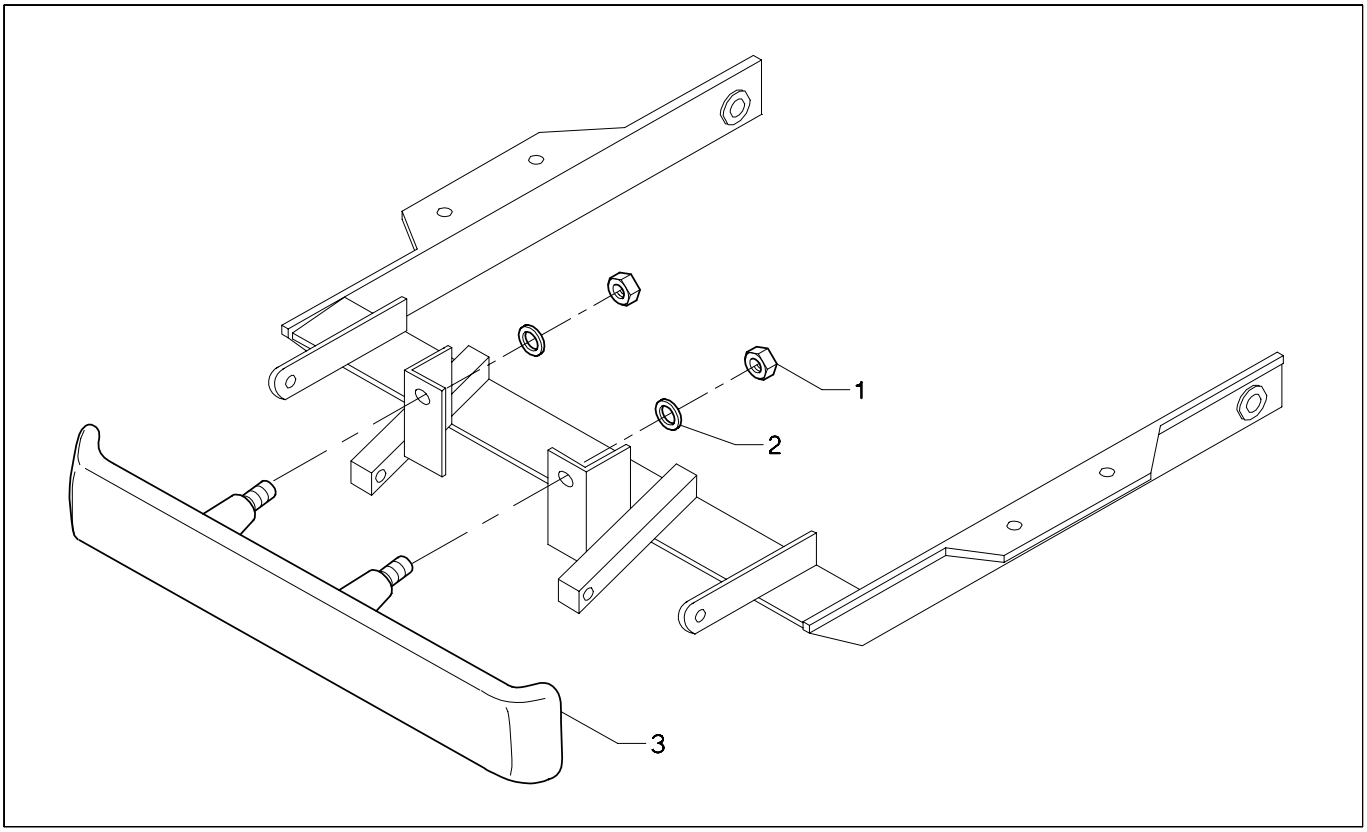
Pos	Article number	Units	Description	Price 2008
1	126.00011.000	1	Front bumper 3w	£55,89
2	No spare part	4	Screw 1/4 20uncx2"lg	-
3	No spare part	8	Flatwasher 1/4	-
4	No spare part	4	Locknut 1/4 unc	-

- 008: Front bumper assy 4 wheel



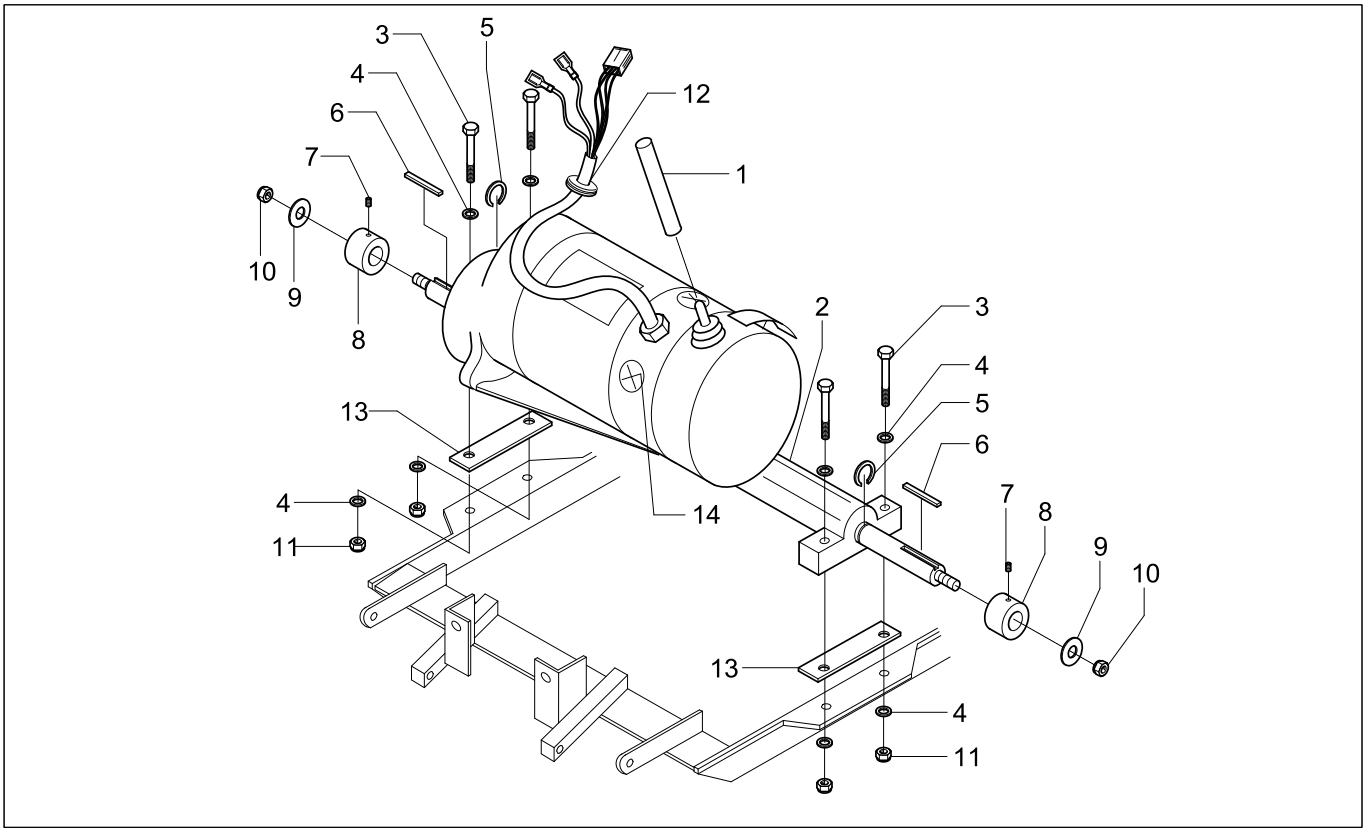
Pos	Article numnber	Units	Description	Price 2008
1	126.00021.000	1	Front bumper 4w	£52,44
2	001.01110.003	2	Flatwasher 3/8	£0,14
3	001.00220.002	2	Locknut 3/8 16unc	£0,14

- 009: Rear bumper assy



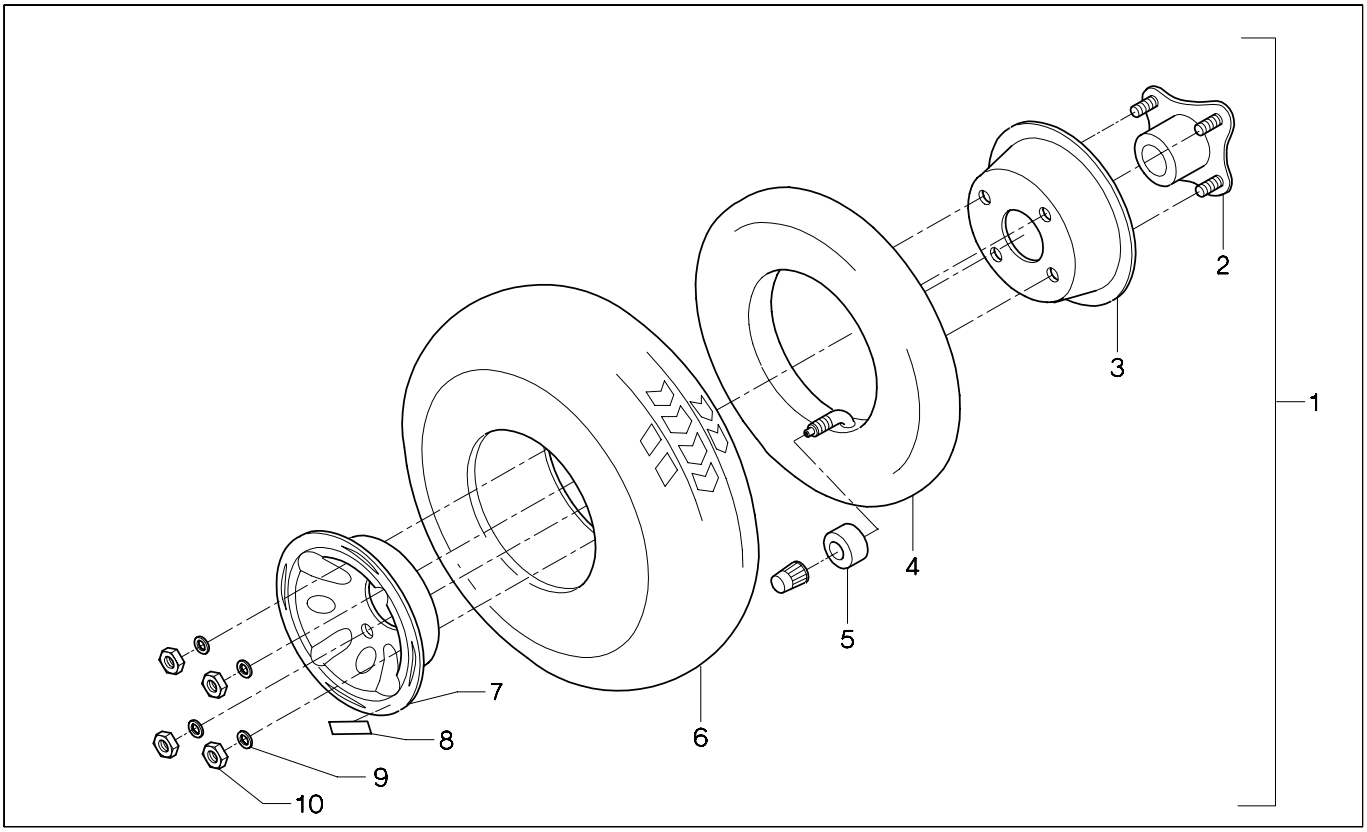
Pos	Article number	Units	Description	Price 2008
1	001.00220.002	2	Locknut 3/8 unc	£0,14
2	001.01110.003	2	Flatwasher 3/8	£0,14
3	126.00021.000	1	Rear bumper 3 4w	£52,44

- 010: Drive transaxle assy



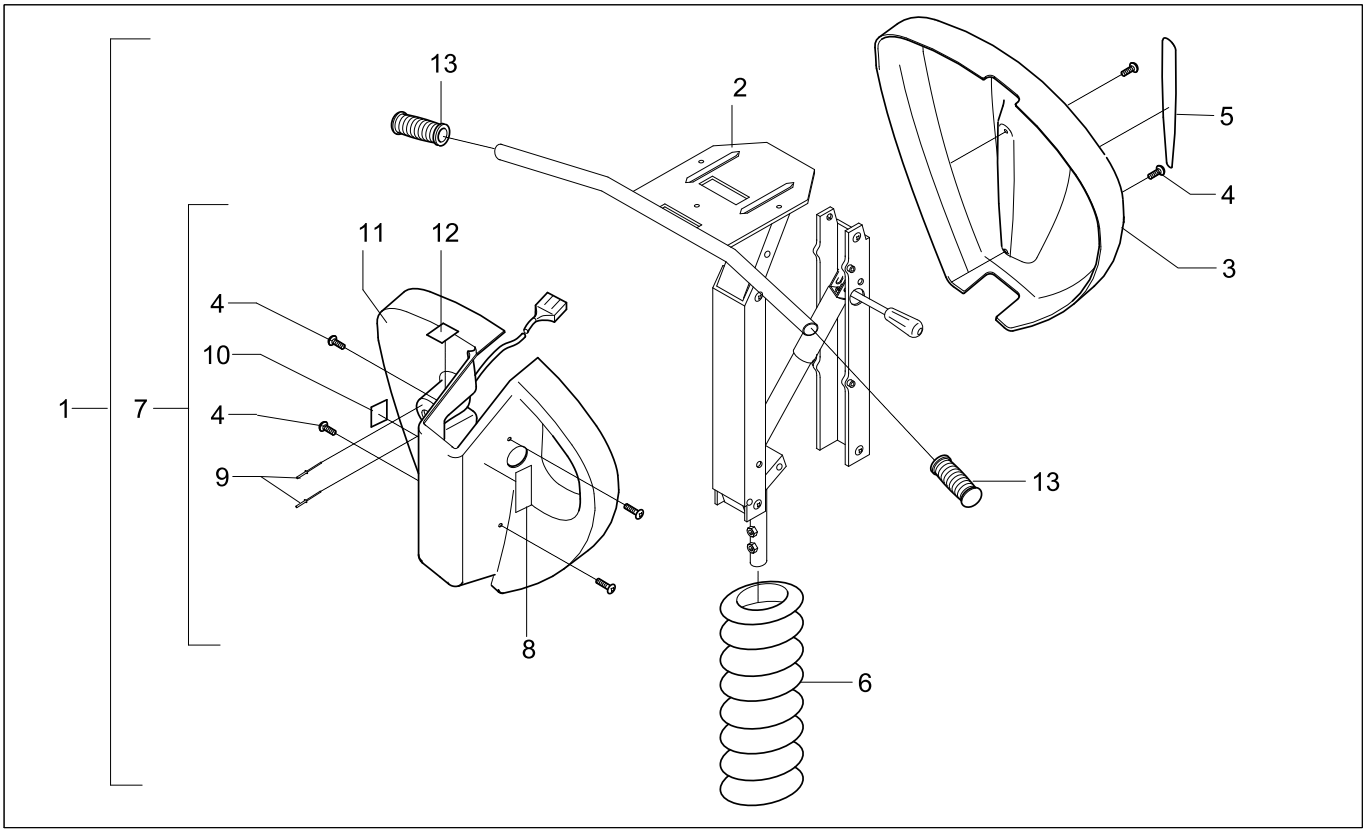
Pos	Article number	Units	Description	Price 2008
1	105.00081.000	1	Handle extension	£7,59
2	1002356	1	Transaxle	£775,00
3	No spare part	4	Screw 3/8 16uncx2 1/4 lg	-
4	No spare part	8	Flatwasher 3/8	-
5	001.06010.003	2	Retain clip transaxle	-
6	103.00091.000	2	Keyway	£7,59
7	001.03140.004	2	Set screw 5/16 18unc	£0,21
8	103.00101.000	2	Collar 7/8"	£5,66
9	No spare part	2	Flatwasher m10	-
10	No spare part	2	Locknut m10	-
11	No spare part	4	Locknut 3/8 16unc	-
12	103.00121.000	1	Grommet 1x5/16	£0,83
13	103.00081.000	2	Rubber mounting	£0,76
14	103.00111.000	1	Brush set winner	£17,25

- 011: Rear tire assy



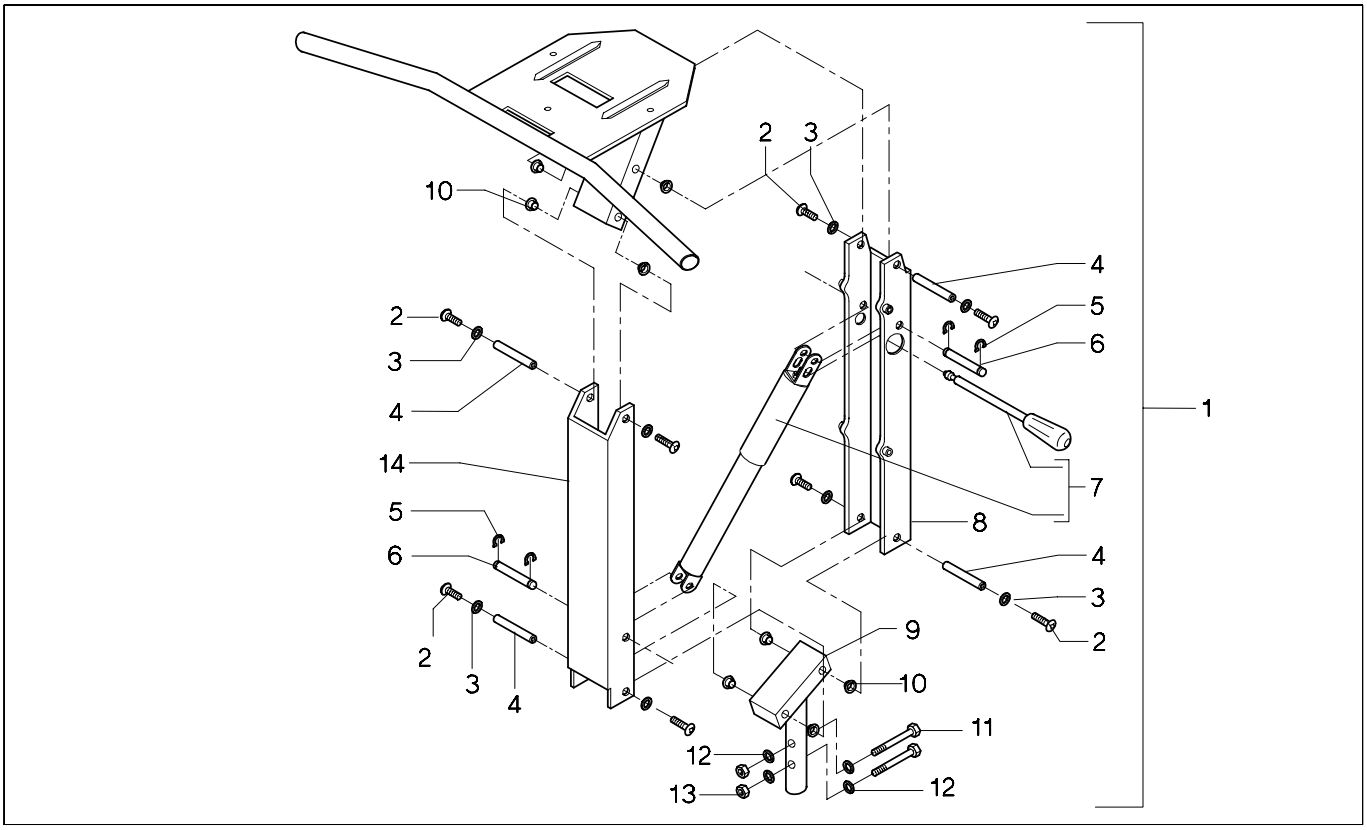
Pos	Article number	Units	Description	Price 2008
1	170.00351.000	1	Wheel tire rear assy 5" air	£67,62
2	176.00201.000	1	Hub	£15,87
3	173.00031.000	1	Inner rim 5"	£10,35
4	171.00031.000	1	Tube inner with cap	£9,66
5	176.00191.000	1	Spacer bushing	£1,59
6	172.00051.000	1	Tire 5"	£24,84
7	173.00061.000	1	Mag outer rim 5"	£28,98
8	00001.1462	1	Label max 2,7 bar	£0,35
9	001.01020.019	4	Lockwasher 3/8	£0,83
10	001.00220.003	4	Locknut 3/8 24unf	£0,83

- 012: Tiller parallel assy



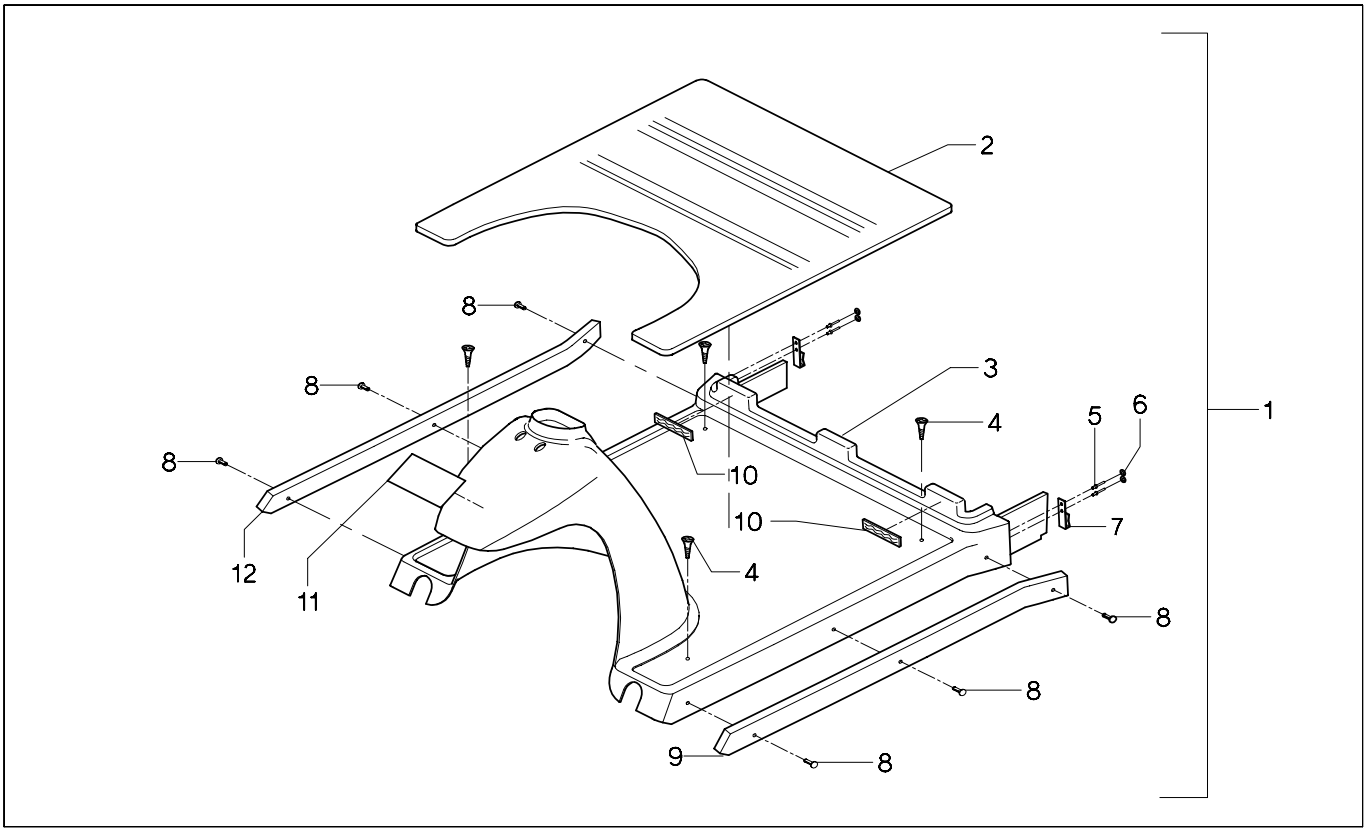
Pos	Article number	Units	Description	Price 2008
1	165.00031.000	1	Tiller assy	£412,62
2	No spare part	1	Handle	-
3	052.00341.000	1	Front tiller shroud	£66,93
4	No spare part	6	Screw m4x6mm lg	-
5	008.00000.381	1	Label strip Blue	£2,42
6	20456.0682	1	Rubber bellow	£42,78
7	052.00471.000	1	Back tiller shroud assy blue	£127,65
8	008.00000.371	1	Label tiller adjust	£1,52
9	No spare part	2	Rivet pop	-
10	00001.1347	1	Label CE	£0,48
11	052.00421.000	1	Back tiller shroud blue	£71,07
12	008.00000.391	1	Label charger	£0,76
13	125.00021.000	2	Hand grip	£8,28

- 013: Tiller parallel assy 3/4 wheel



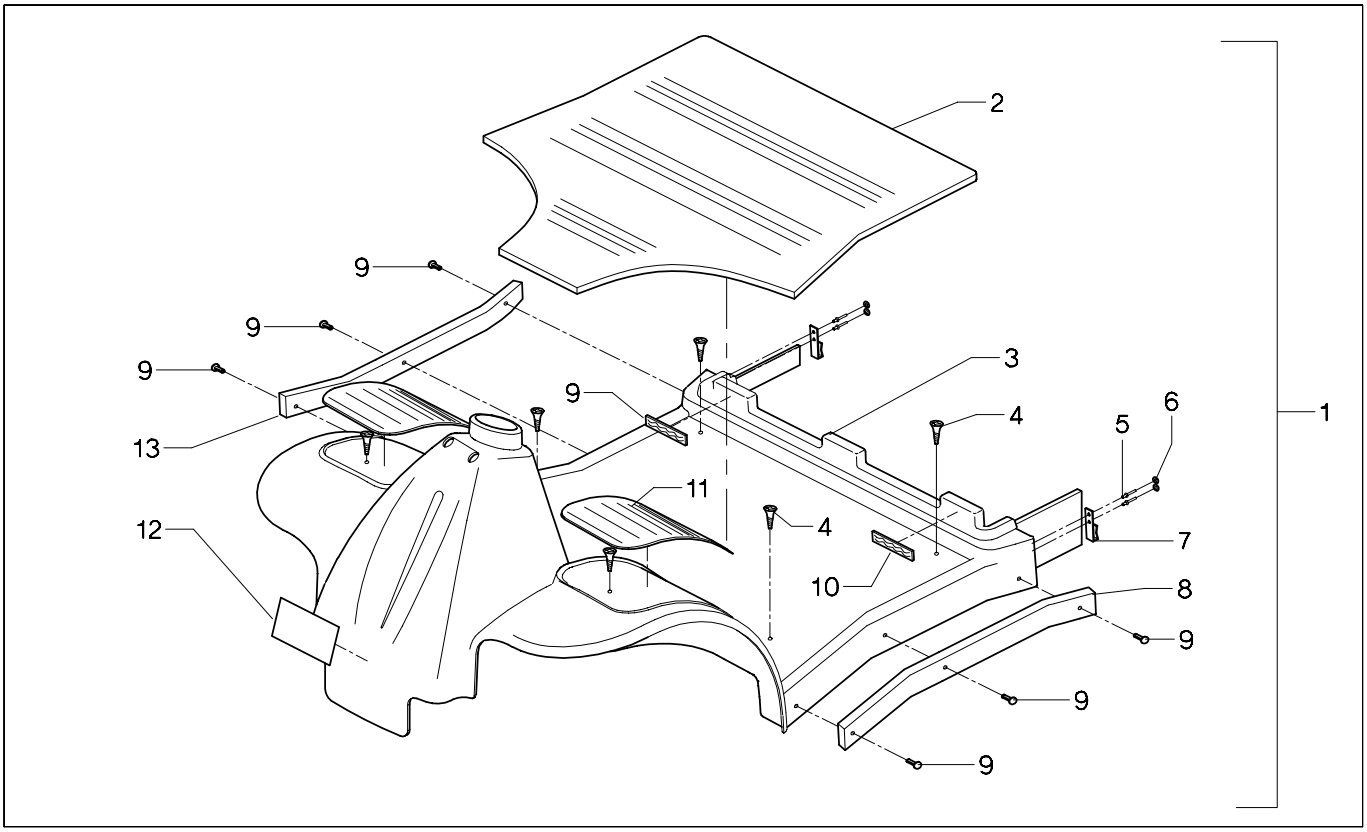
Pos	Article number	Units	Description	Price 2008
1	124.00051.000	1	Tiller assy 3/4w winner	£193,89
2	001.03130.003	8	Screw 10 32unf x1/2 lg	£0,21
3	1001316	8	Flatwasher nylon 10	£0,14
4	124.00041.000	4	Pivot pin	£3,80
5	001.20030.002	4	Retaining clip	£0,83
6	001.03090.007	2	Pivot pin	£7,59
7	013.00031.000	1	Gas spring	£71,07
8	110.00041.000	1	Channel front	£48,99
9	124.00031.000	1	Bottom mounting block	£22,77
10	015.07040.001	8	Pivot bushing	£2,42
11	No spare part	2	Screw 1/4 20unc x1 1/2 lg	-
12	No spare part	4	Flatwasher 1/4	-
13	No spare part	2	Locknut 1/4 20unc	-
14	110.00031.000	1	Channel back	£22,77

- 014: Front floorpan assy 3 wheel



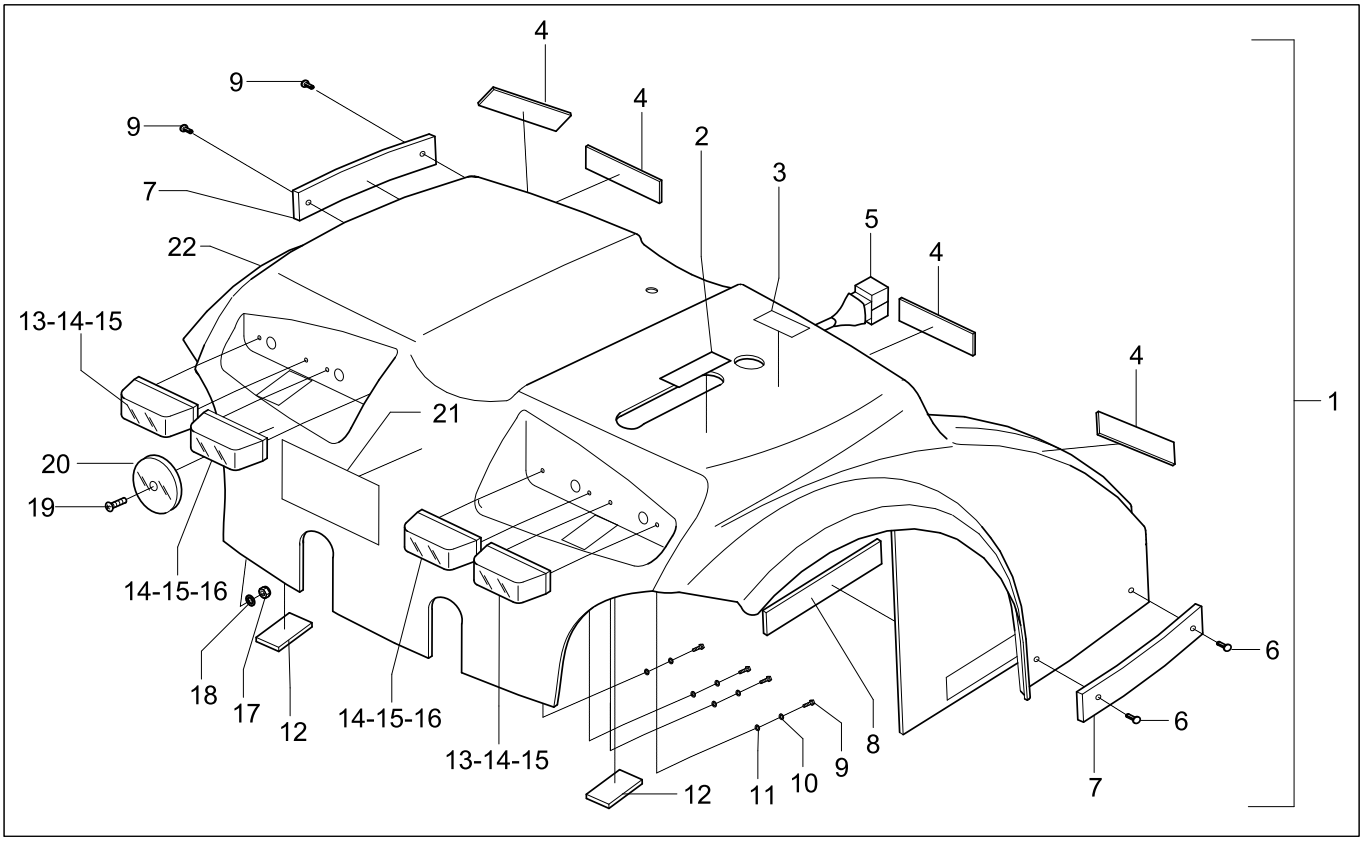
Pos	Article number	Unit	Description	Price 2008
1	052.00301.000	1	Front floorpan 3w assy	£215,97
2	257.00001.000	1	Floor mat 3w	£14,49
3	No spare part	1	Front floorpan 3w	-
4	No spare part	4	Screw 8x1/2 lg	-
5	No spare part	4	Rivet pop	-
6	No spare part	4	Flatwasher 6	-
7	054.00001.000	2	Shroud j" bracket	£5,11
8	001.15010.002	6	Snap button	£0,21
9	126.00032.000	1	Bumper trim LH 3w	£4,35
10	No spare part	2	Velcro	-
11	008.00000.401	1	Label Winner	£17,94
12	126.00042.000	1	Bumper trim RH 3w	£4,35

- 015: Front floorpan assy 4 wheel



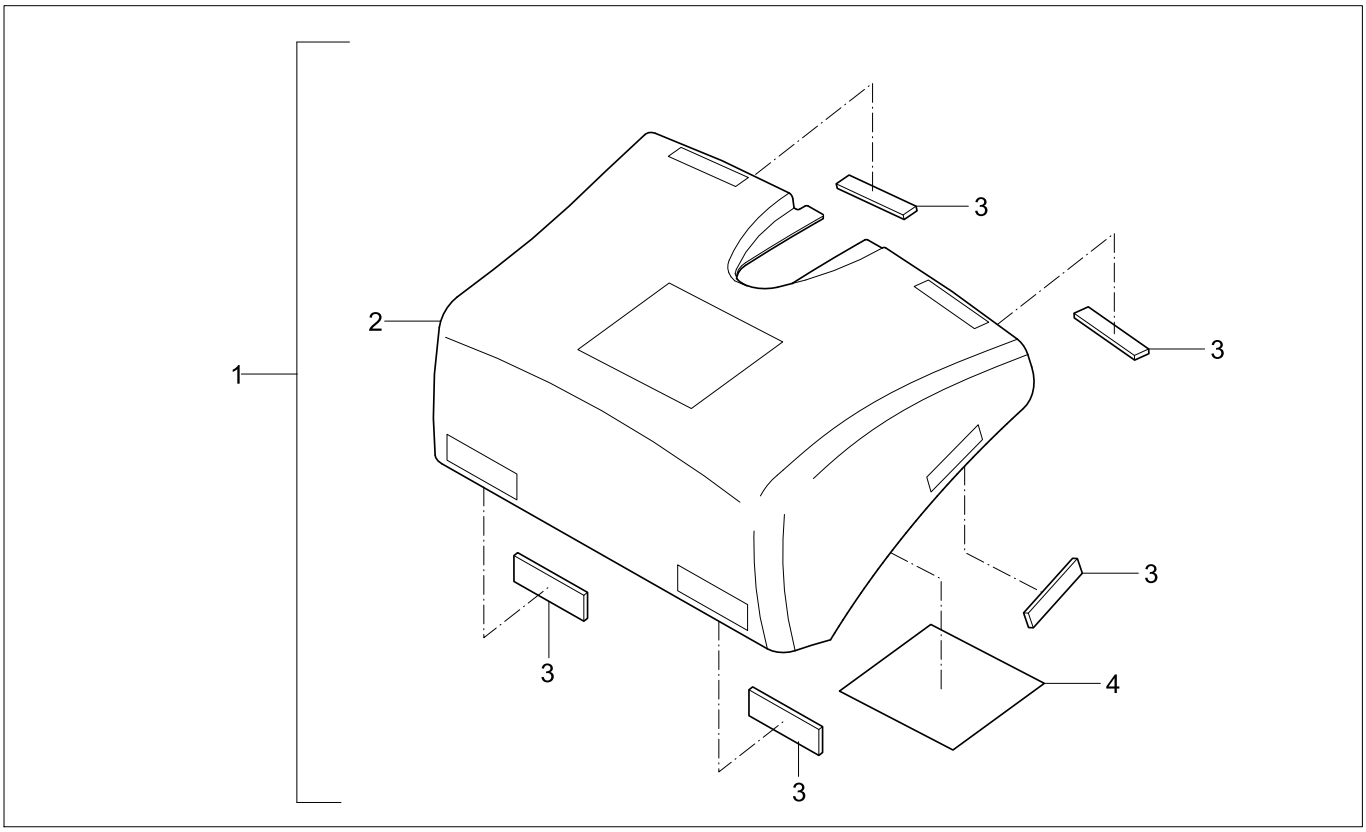
Pos	Article number	Units	Description	Price 2008
1	052.00511.000	1	Front floorpan 4w assy	£218,04
2	257.00011.000	1	Floor mat 4w	£17,94
3	No spare part	1	Front floorpan 4w	-
4	No spare part	6	Screw 8x1/2 lg	-
5	No spare part	4	Rivet pop	-
6	No spare part	4	Flatwasher 6"	-
7	054.00001.000	2	Shroud j" bracket	£5,11
8	126.00061.000	1	Bumper trim 4w LH	£7,59
9	001.15010.002	6	Snap button	£0,21
10	No spare part	2	Velcro	-
11	257.00021.000	2	Foot mat	£10,35
12	008.00000.401	1	Label Winner	£17,94
13	126.00071.000	1	Bumper trim 4w RH	£7,59

- 016: Rear motor cover



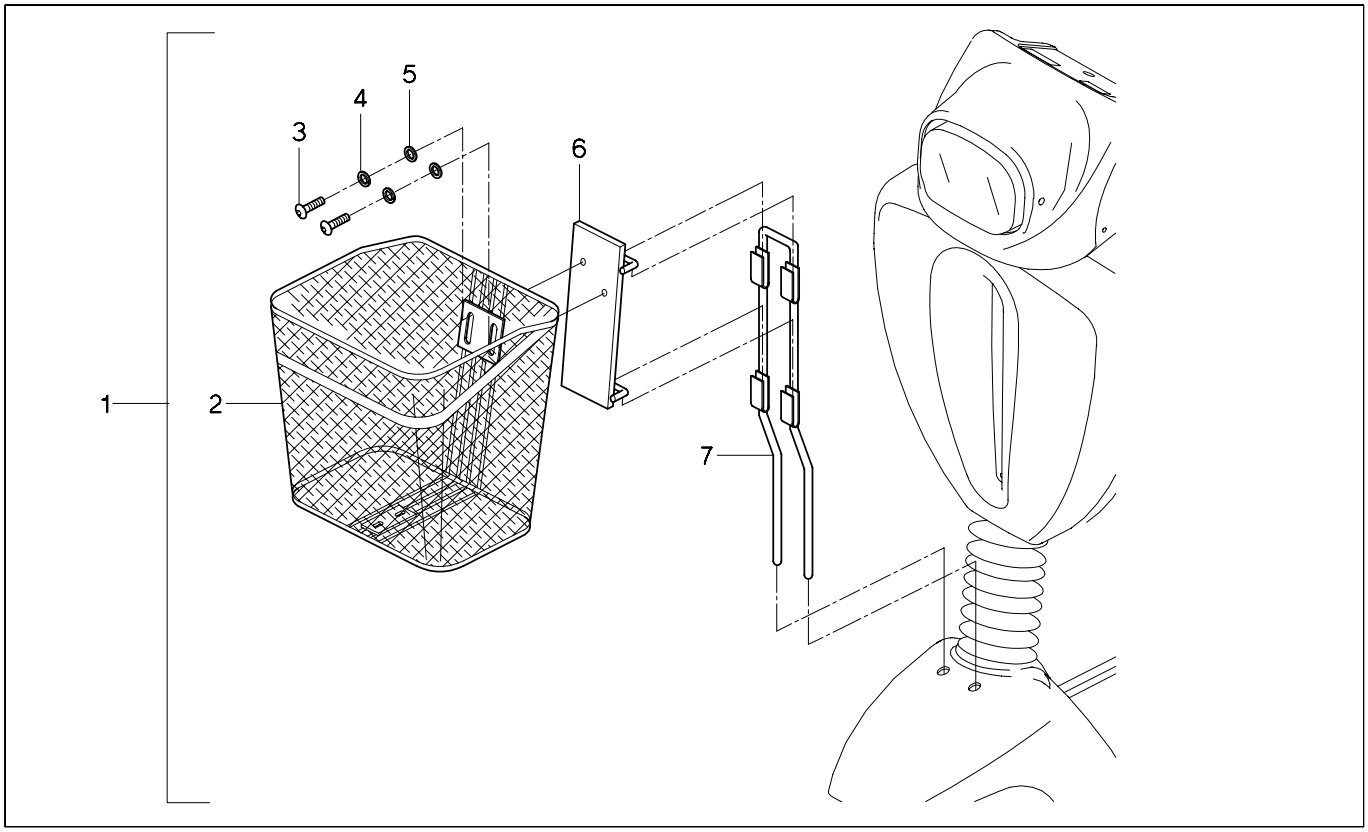
Pos	Article number	Units	Description	Price 2008
1	052.00311.000	1	Rear motor cover assy	£204,93
2	008.00000.411	1	Label engage/release	£0,76
3	008.00000.421	1	Label circuit breaker	£0,76
4	No spare part	4	Velcro	-
5	055.00171.000	1	Harness lights tail	£29,67
6	001.15010.002	4	Snap button	£0,21
7	126.00052.000	2	Bumper trim	£4,35
8	No spare part	2	Velcro	-
9	No spare part	8	Screw m4x25mm	-
10	No spare part	8	Locknut m4	-
11	No spare part	8	Flatwasher m4	-
12	No spare part	2	Velcro	-
13	00355.4225	2	Tail light orange	£9,66
14	No spare part	8	Nut m4	-
15	6234	4	Bulb 24v 5w t9,5	£1,38
16	00355.4224	2	Tail light red	£11,04
17	No spare part	1	Locknut 10 24unc	-
18	No spare part	1	Flatwasher 10"	-
19	No spare part	1	Screw 10 24uncx1/2"lg	-
20	00001.1506	1	Reflector red	£5,11
21	008.00000.401	1	Label Winner	£17,94
22	052.00391.000	1	Rear motor cover	£155,94

- 017: Battery cover assy



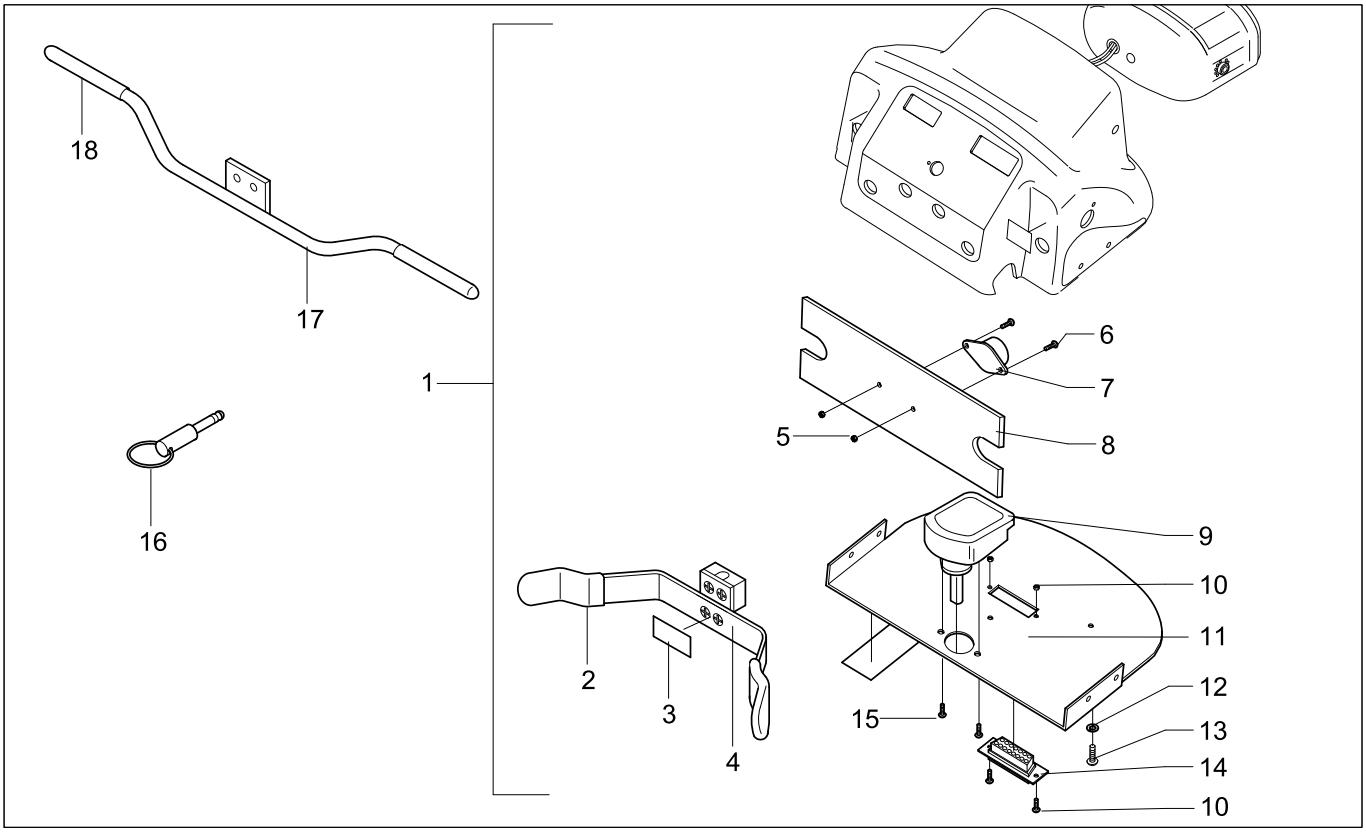
Pos	Article number	Units	Description	Price 2008
1	052.00451.000	1	Battery cover assy blue	£129,72
2	052.00401.000	1	Battery cover blue	£129,72
3	No spare part	6	Velcro	-
4	008.00000.541	1	Label circuit diagram	-

- 018: Front basket assy



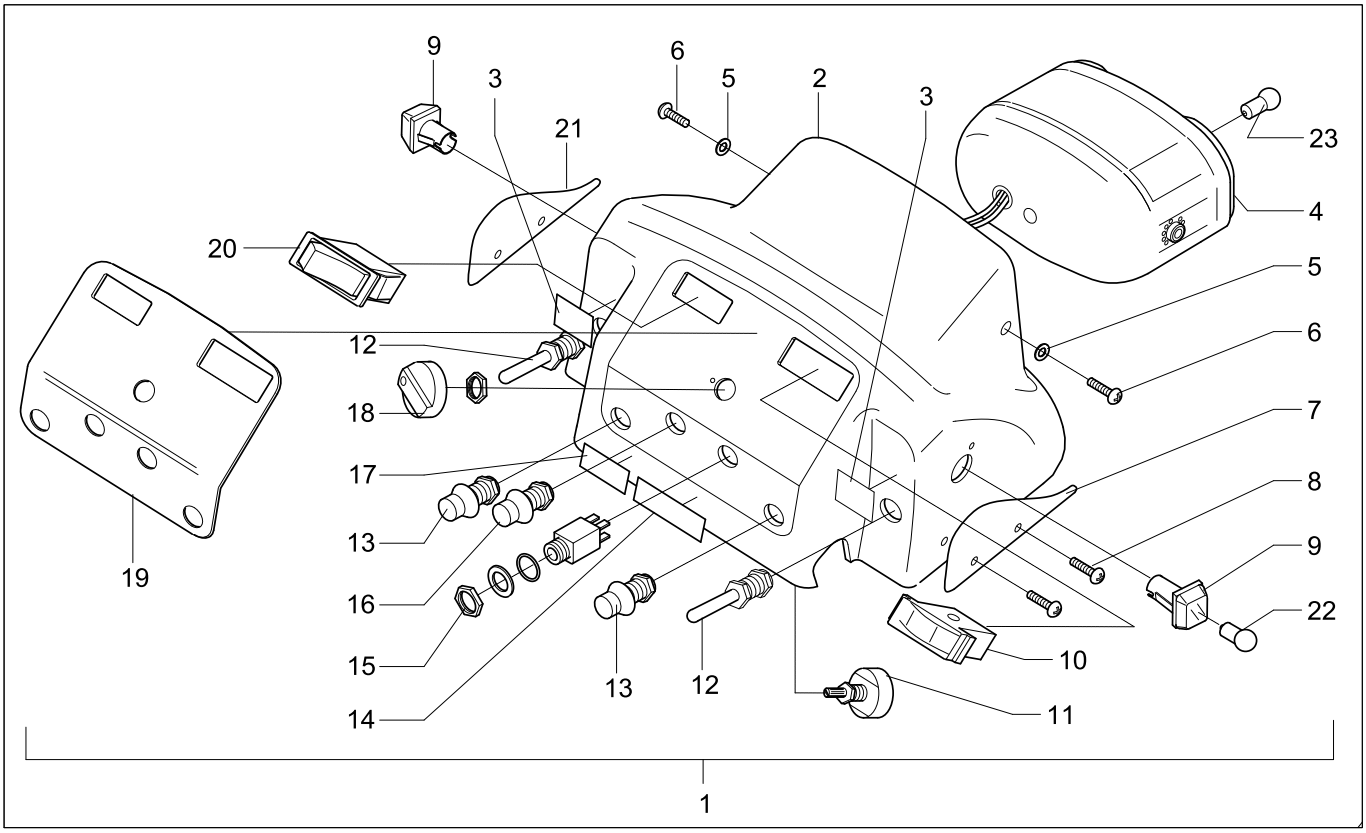
Pos	Article number	Units	Description	Price 2008
1	265.00081.000	1	Basket front assy	£63,48

- 019: Console assy



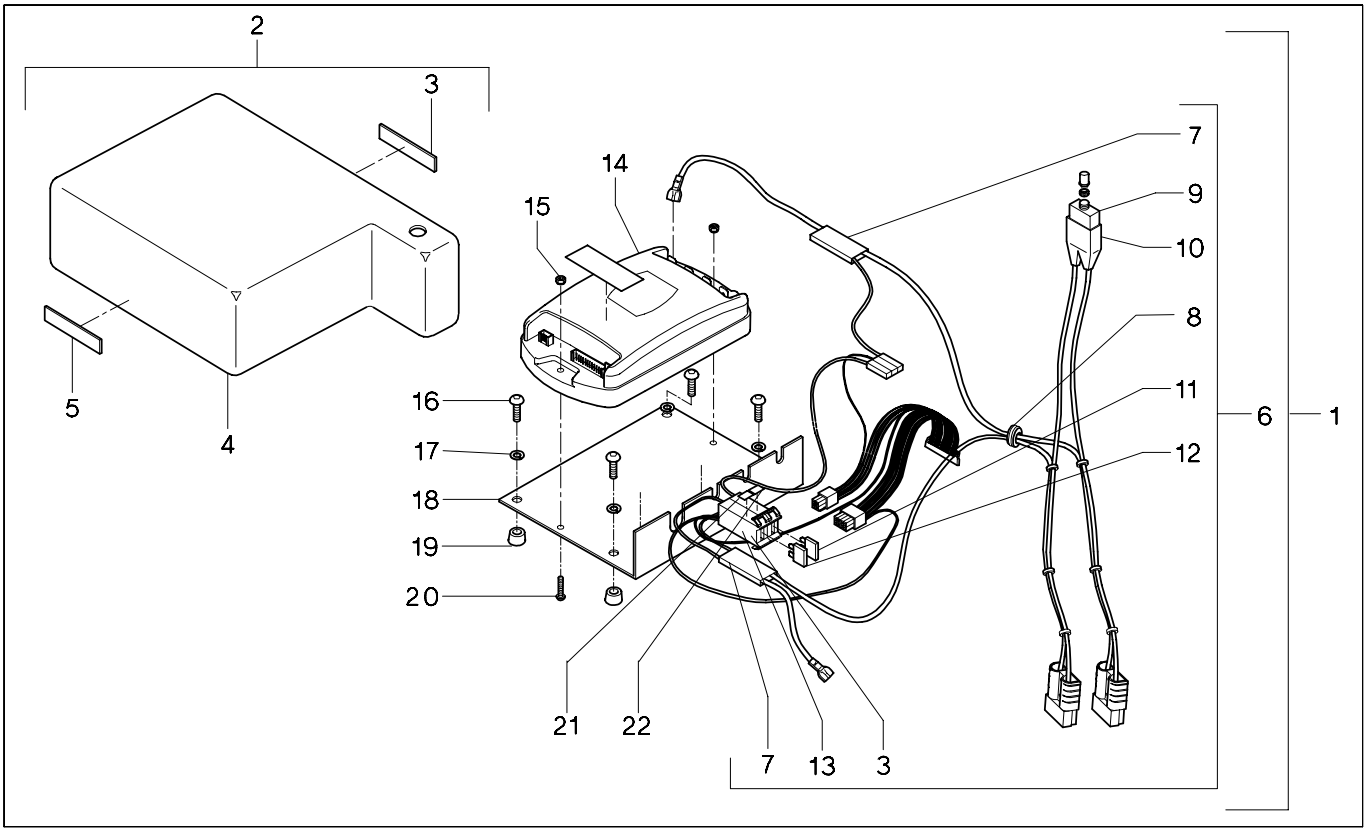
Pos	Article number	Units	Description	Price 2008
1	161.00011.000	1	Console assy Winner	£681,72
2	053.00101.000	2	Plastic tip	£0,83
3	008.00000.531	1	Label reverse forward	£1,59
4	161.00031.000	1	Throttle lever	£15,18
5	No spare part	2	Locknut m3	-
6	No spare part	2	Screw m3x12mm	-
7	265.00101.000	1	Horn	£13,80
8	164.00061.000	1	Pcb main board	£180,78
9	165.00021.000	1	Potentiometer	£115,23
10	001.00230.001	2	Screw lock kit 4 40unc	£0,14
11	165.00051.000	1	Mounting plate	£44,16
12	No spare part	3	Lockwasher 8''	-
13	No spare part	7	Screw 8 32uncx3/8 lg	-
14	No spare part	1	Connector sub D tiller	-
15	No spare part	2	Screw 8'' self tapping	-
16	1001372	1	Jack plug	£2,28
17	124.00011.023	1	Finger control	£42,78
18	053.00121.000	2	Plastic tip	£3,17

- 020: Console assy



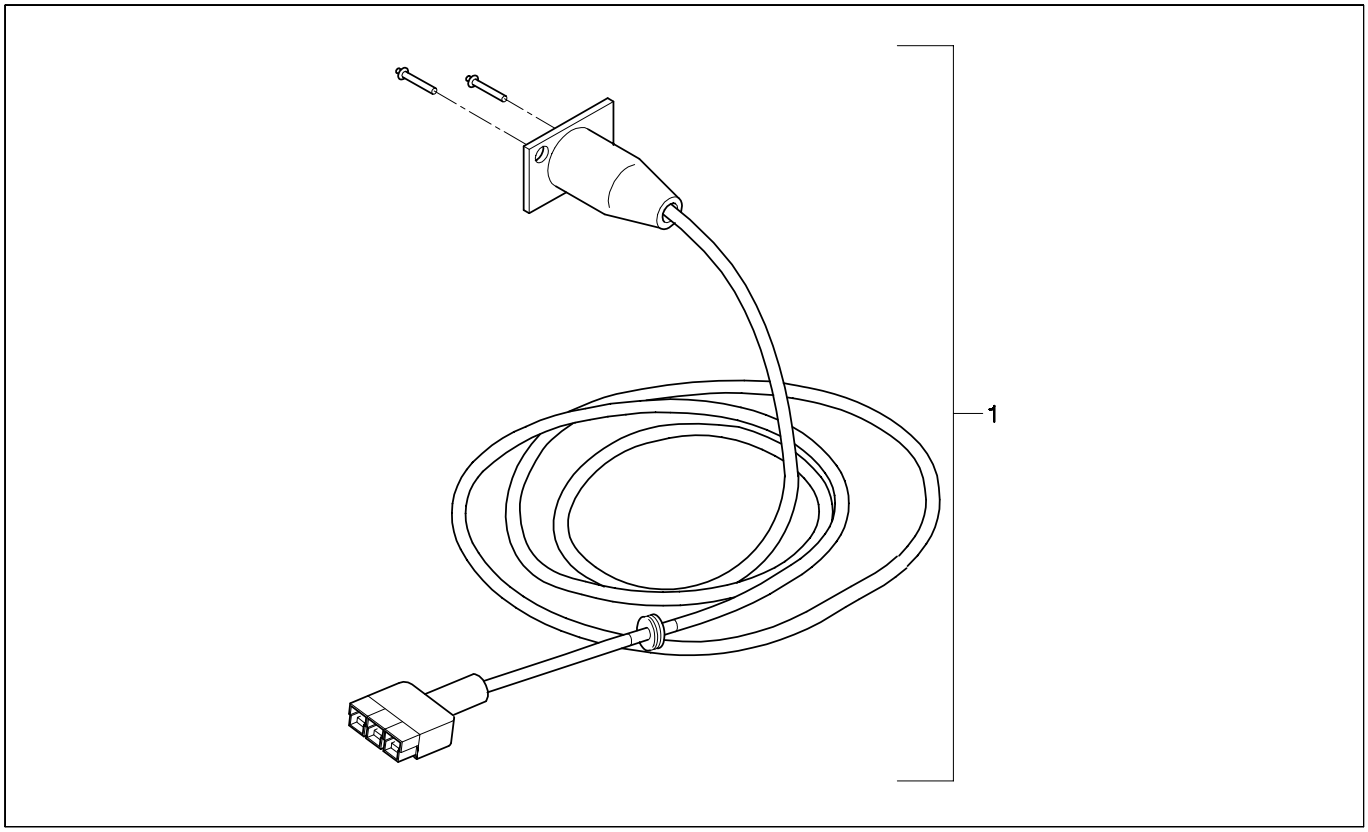
Pos	Article number	Units	Description	Price 2008
1	161.00001.000	1	Console assy Winner	£406,41
2	161.00041.000	1	Console 3-4w	£98,67
3	008.00000.481	2	Labelindicator	£0,76
4	264.00131.000	1	Light dual	£102,81
5	No spare part	2	Flatwasher 10	-
6	001.03140.002	2	Screw 10 32unfx3/4 lg	£1,59
7	No spare part	1	Label console RH	-
8	001.03140.003	7	Screw 8 32uncx3/8 lg	£0,83
9	264.00111.000	2	Signal light	£31,05
10	265.00131.000	1	Battery meter	£41,40
11	165.00061.000	1	Speed selector switch	£66,93
12	005.01120.000	2	Toggle switch	£17,94
13	005.01160.000	2	Horn switch black	£9,66
14	008.00000.461	1	Label Matig uw snelheid	£2,42
15	262.00011.000	1	Jackplug receptacle	£10,35
16	005.01150.000	1	Safety light button	£17,25
17	008.00000.471	1	Label max incline	£2,42
18	161.00021.000	1	Speed selector knob	£8,28
19	No spare part	1	Label console	-
20	005.01140.000	1	Light switch	£10,35
21	No spare part	1	Label console LH	-
22	1272	2	Bulb 24v 5w ba9s	£2,14
23	264.00121.000	4	Bulb 24v 3w T9.5	£1,38

- 021: Controller panel assy



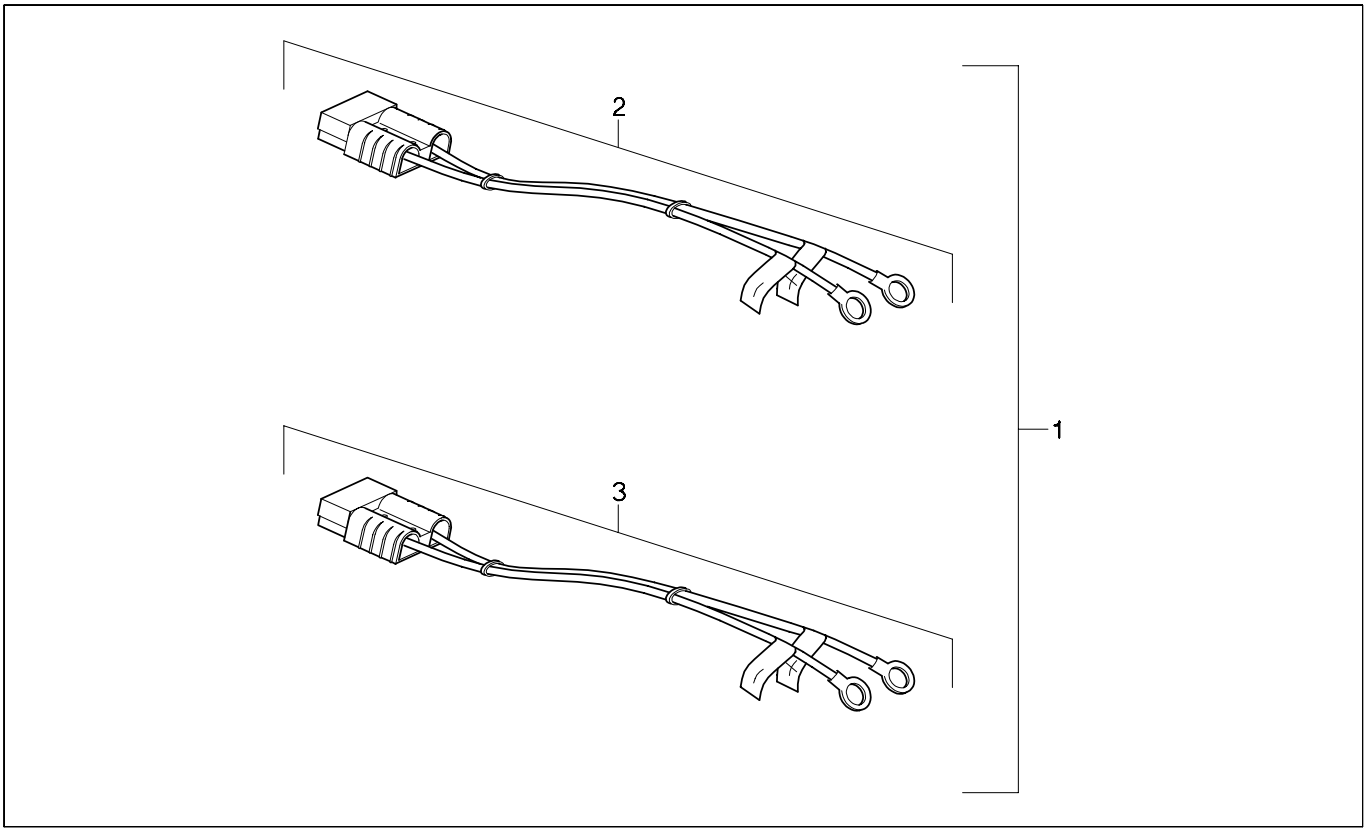
Pos	Article number	Units	Description	Price 2008
1	162.00021.000	1	Controller panel assy	£429,18
2	052.00491.000	1	Cover assy	£21,39
3	No spare part	2	Velcro, 2" length	-
4	052.00441.000	1	Cover	£20,01
5	No spare part	1	Velcro, 3" length	-
6	055.00141.000	1	Harness controller assy	£73,14
7	005.00470.000	2	Terminal connector 4 pin	£0,83
8	103.00131.000	1	Grommet rubber 5/8 x 1/4	£0,83
9	005.01130.000	1	Circuit breaker 60A	£23,57
10	053.00111.000	1	Boot circuit breaker	£1,59
11	005.01190.000	1	Blade fuse 15A	£2,42
12	005.01180.000	1	Blade fuse 5A	£1,73
13	No spare part	2	Fuse holder	-
14	162.00031.000	1	Controller 110A	£314,64
15	No spare part	2	Locknut 10-32unf	-
16	No spare part	4	Screw 1/4 20unc x 3/4"	-
17	No spare part	4	Lockwasher 1/4"	-
18	165.00041.000	1	Plate mounting	£13,80
19	001.21000.009	4	Bumper recess	£1,59
20	No spare part	2	Screw 10-32unf x 1" lg	-
21	No spare part	1	Label 5A controller	-
22	No spare part	1	Label 15A charger	-

- 022: Charger cable assy



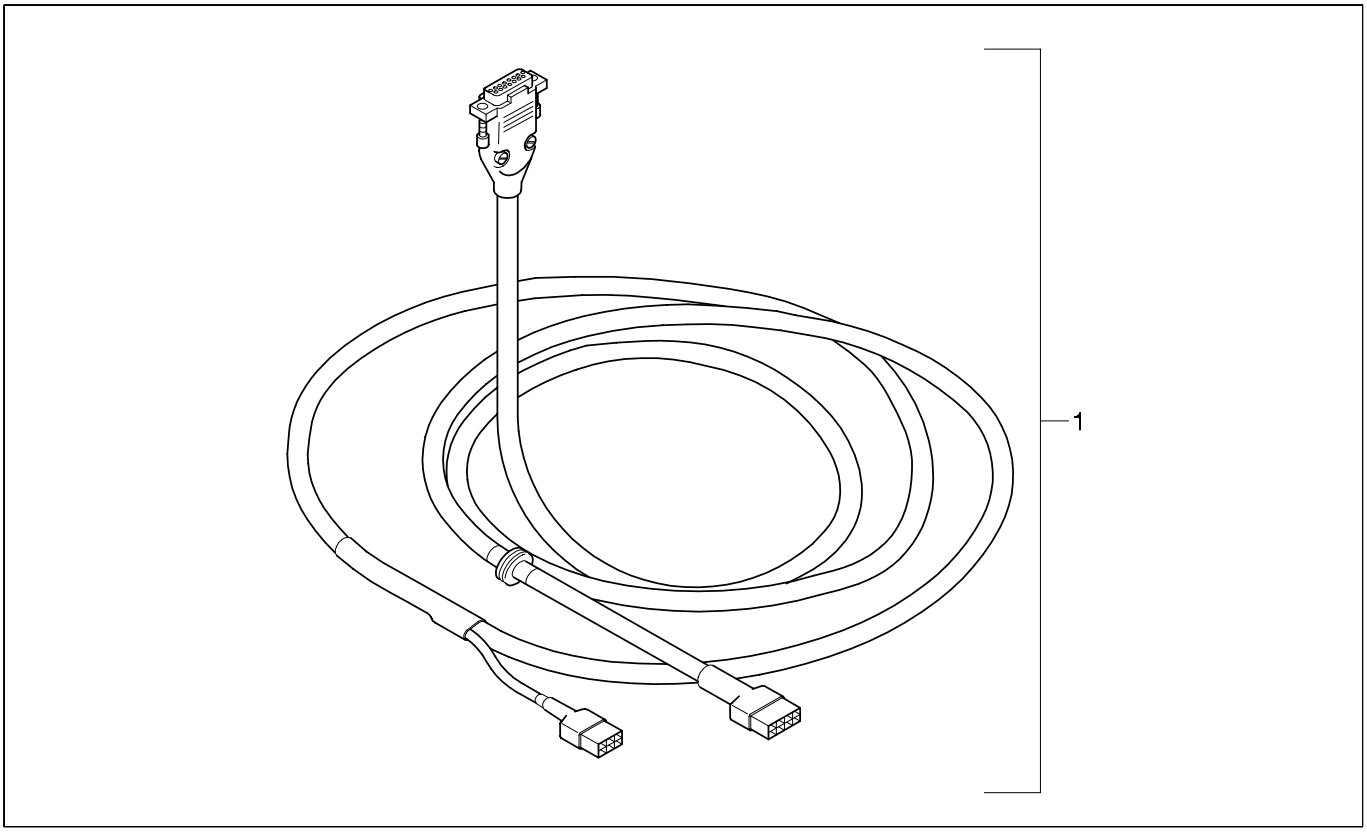
Pos	Article number	Units	Description	Price 2008
1	055.00181.000	1	Harness charger assy	£52,44

- 023: Battery cable assy



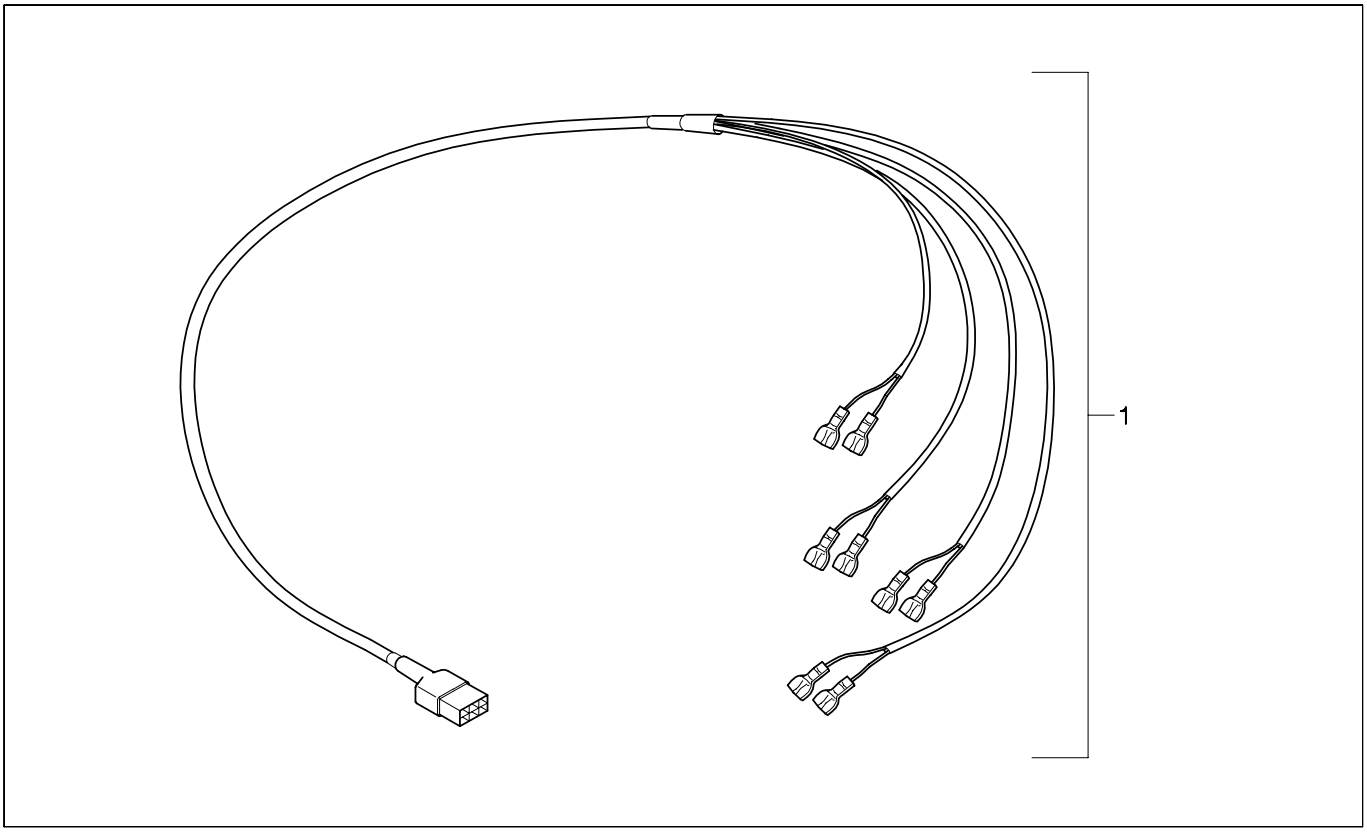
Pos	Article number	Units	Description	Price 2008
1	055.00211.000	2	Battery cables assy	£44,16
2	055.00191.000	1	Harness battery red	£22,77
3	055.00201.000	1	Harness battery black	£22,77

- 024: Main wire harness



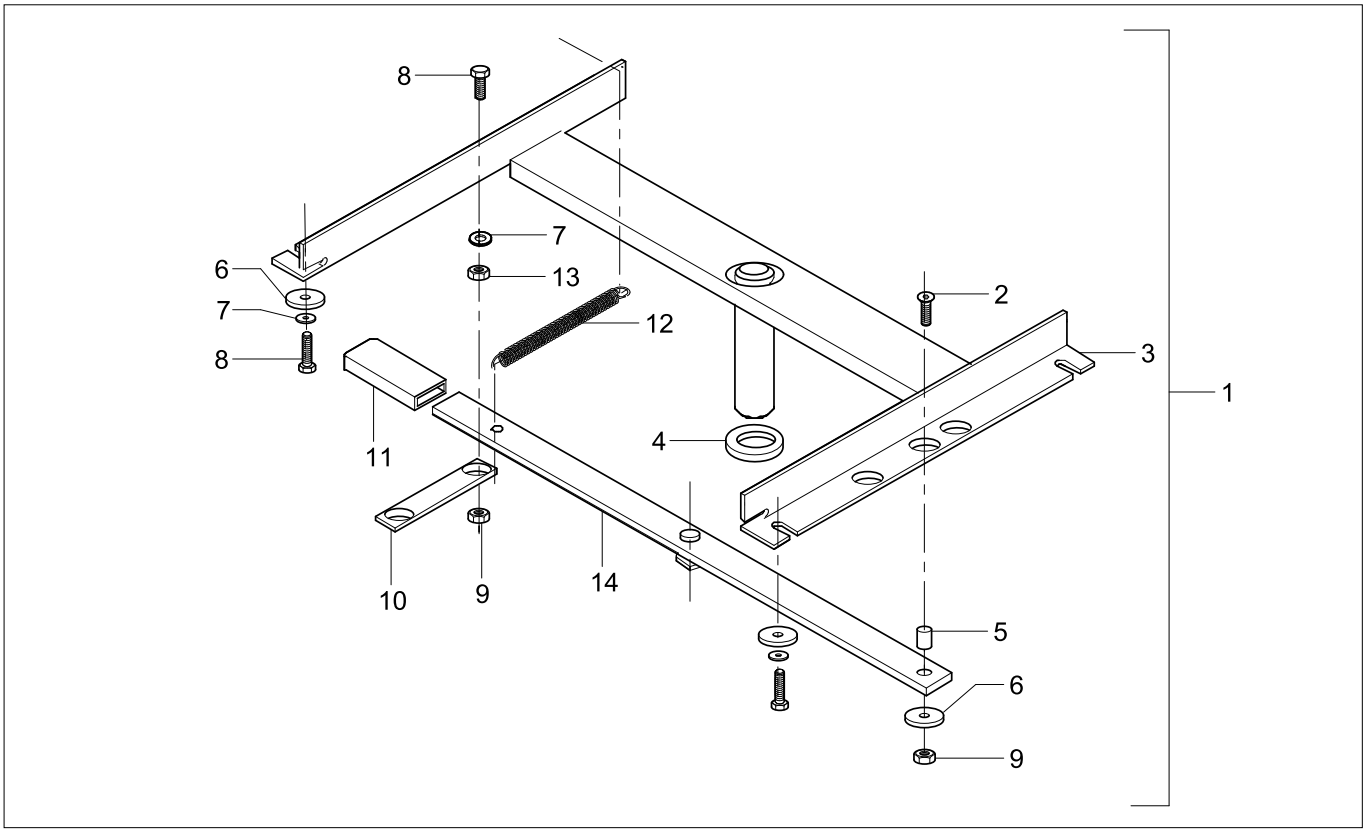
Pos	Article number	Units	Description	Price 2008
1	055.00151.000	1	Main harness assy	£70,38

- 025: Rear light harness



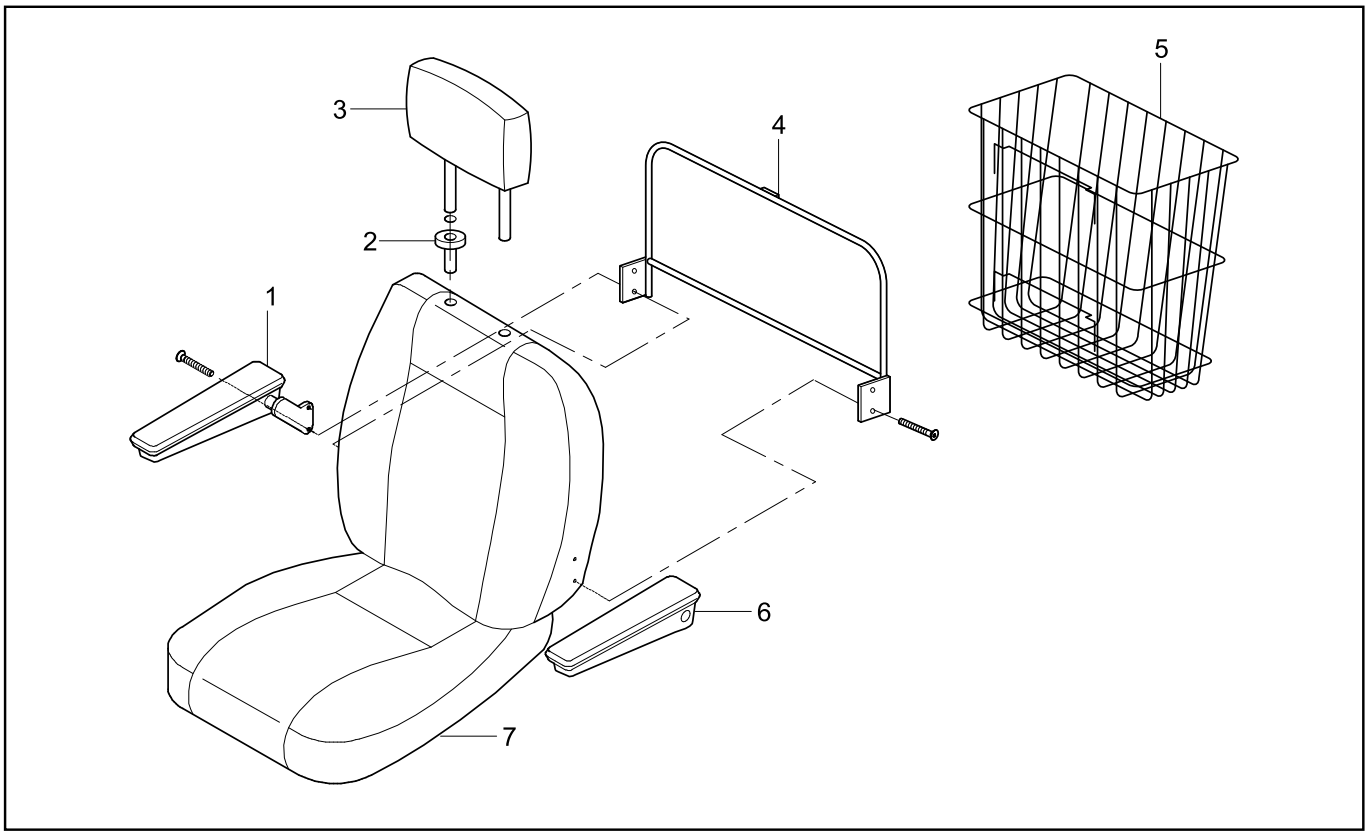
Pos	Article number	Units	Description	Price 2008
1	055.00171.000	1	Harness rear light assy	£29,67

026: Seat frame



Pos	Article number	Units	Description	Price 2008
1	10252	1	Complete seat frame	£92,46
2	No spare part	3	Screw plv/bzk M6x20 D7991 VZ	-
3	10315	1	Seat frame	£71,76
4	2606	1	Washer m22	£0,76
5	2546	1	Bush	£2,90
6	No spare part	5	Flatwasher 3xD m6 D9021/VZ	-
7	No spare part	6	Lockwasher m6 D127B/VZ	-
8	No spare part	5	Hexagonal tap bolt M6x20 vz	-
9	No spare part	4	Locknut M6 D985/8/vz	-
10	1601	1	Strip	£2,55
11	1366	1	Cover red	£0,41
12	1160	1	Spring	£2,97
13	No spare part	3	Locknut M6 D985/8/vz	-
14	3049	1	Handle	£17,25

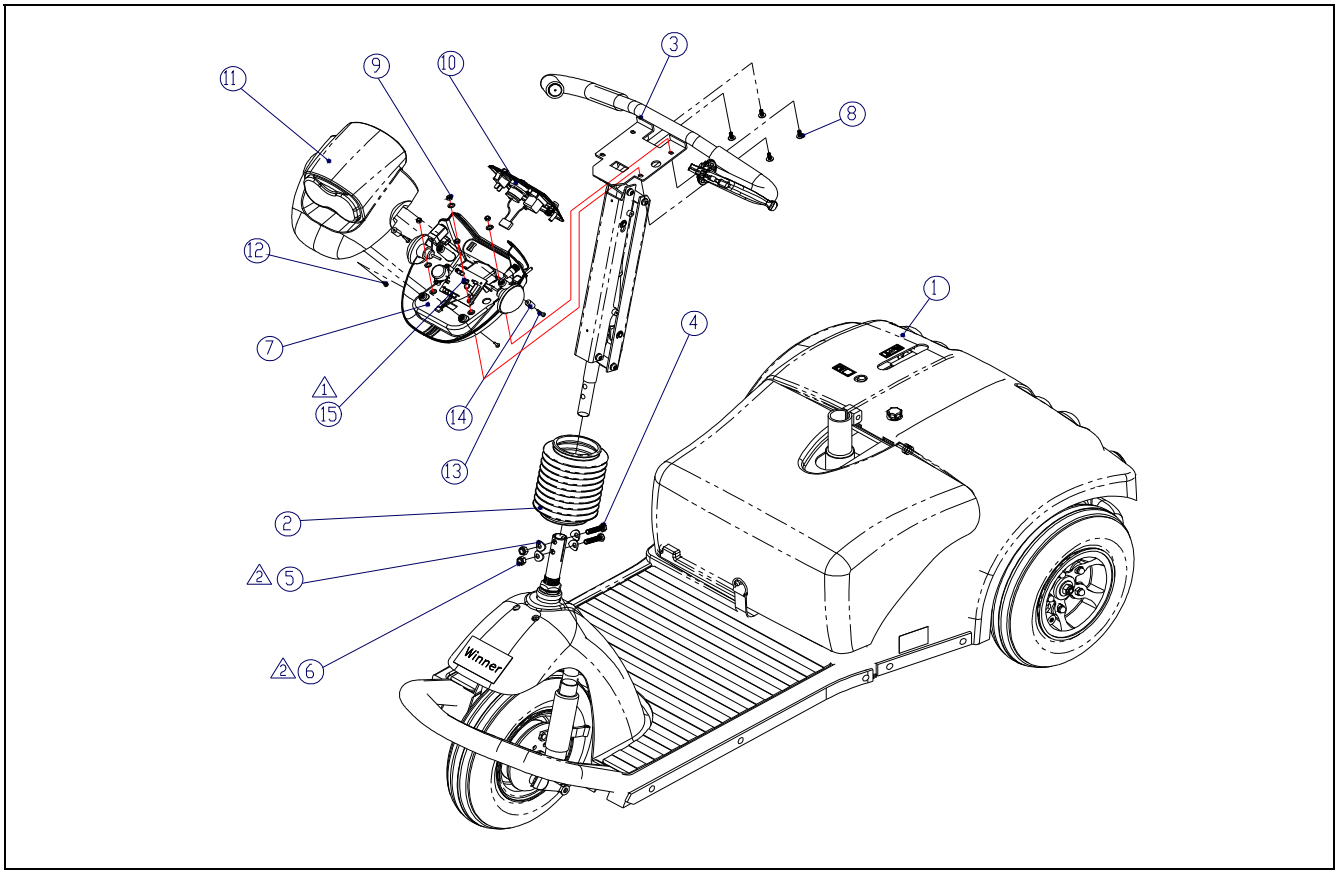
- 027: Seat



Pos	Article number	Units	Description	Price 2008
1	118.00221.000	1	Armrest RH	£84,18
2	232.00011.000	2	Headrest receiver	£8,28
3	237.00011.000	1	Headrest adjustable vinyl	£67,62
4	1693	1	Basket holder	£55,89
5	4930	1	Basket rear	£54,51
6	118.00231.000	4	Armrest LH	£84,18
7	237.00041.000	1	Master seat with armrests	£305,67

Parts list

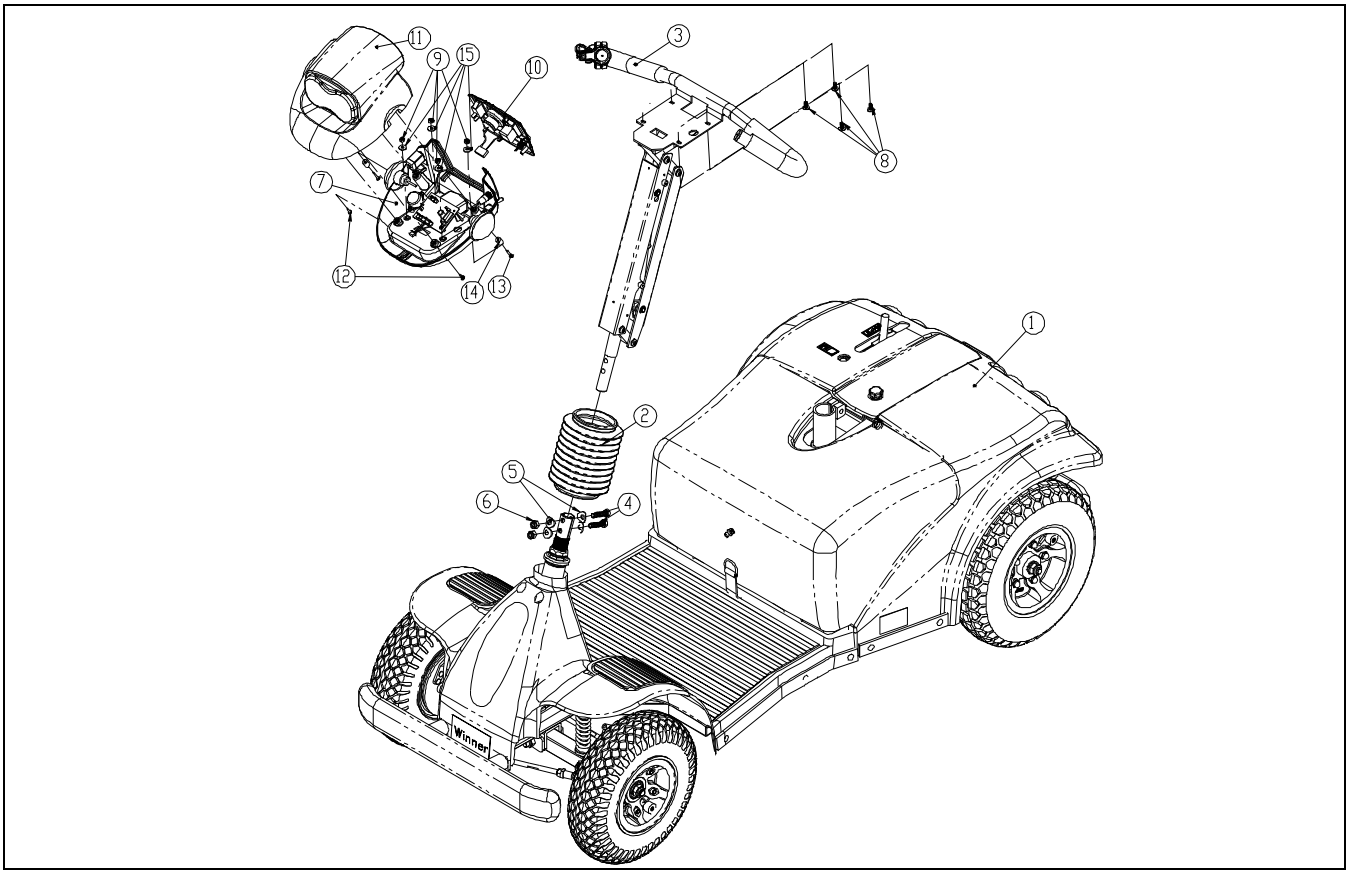
001: SCOOTER ASSY (3W)



Pos	Article number	Units	Description	Price 2008
1	No spare part	1	3W Scooter assy	-
2	20456.0682	1	Rubber bellow	£42,78
3	124.00131.000	1	Tiller parallel assy	£113,85
4	00000.4134	2	Screw M8xP1.25x35L	£1,24
5	1001675	4	Arc Washer	£0,14
6	00000.1702	2	Lock nut M8	£0,21
7	161.00151.000	1	Console bottom cover assy	£286,35
8	00000.3200	4	Screw M5xP0.8x12L	£0,14
9	00000.1700	4	Lock nut M5xP0.8	£0,14
10	161.00161.000	1	CONSOLE PANEL COVER ASSY	£199,41
11	161.00171.000	1	CONSOLE TOP COVER ASSY	£150,42
12	001.03160.001	2	Screw 2,9x16mm	£0,14
13	001.03160.002	2	Screw 2,9x25mm	£0,14
14	161.00181.000	2	Block (Bush 12mm)	£0,14
15	00000.2101	4	Flat washer M5	£0,14

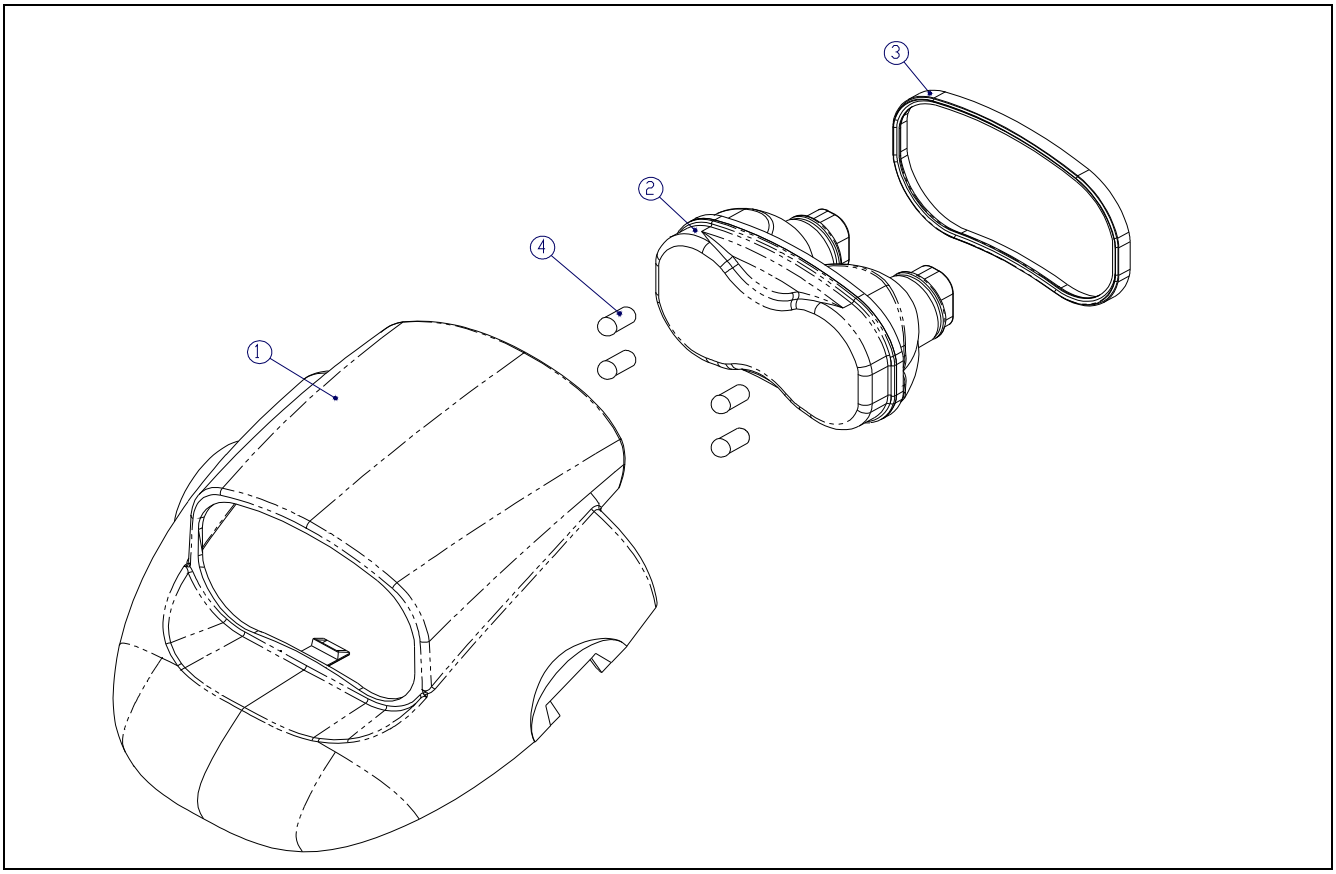
Parts list

002: SCOOTER ASSY (4W)



Pos	Article number	Units	Description	Price 2008
1	No spare part	1	3W Scooter assy	-
2	20456.0682	1	Rubber bellow	£42,78
3	124.00131.000	1	Tiller parallel assy	£113,85
4	00000.4134	2	Screw M8xP1.25x35L	£1,24
5	1001675	4	Arc Washer	£0,14
6	00000.1702	2	Lock nut M8	£0,21
7	161.00151.000	1	Console bottom cover assy	£286,35
8	00000.3200	4	Screw M5xP0.8x12L	£0,14
9	00000.1700	4	Lock nut M5xP0.8	£0,14
10	161.00161.000	1	Console panel cover assy	£199,41
11	161.00171.000	1	Console top cover assy	£150,42
12	001.03160.001	2	Screw 2,9x16mm	£0,14
13	001.03160.002	2	Screw 2,9x25mm	£0,14
14	161.00181.000	2	Block (Bush 12mm)	£0,14
15	00000.2101	4	Flat washer M5	£0,14

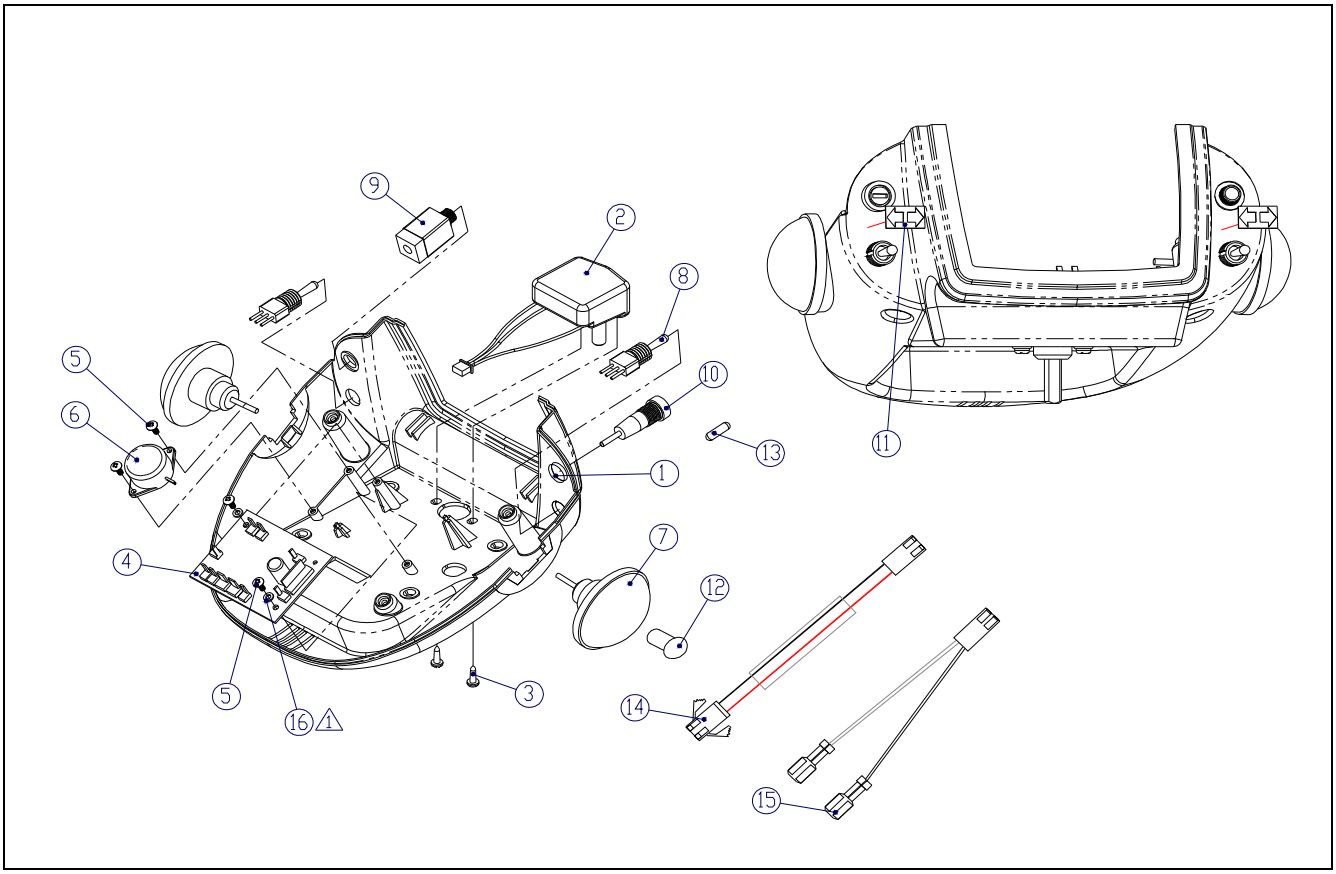
003: CONSOLE TOP COVER ASSY Article number: 161.00171 000 £ 150,42



Pos	Article number	Units	Description	Price 2008
1	1001334	1	Console top cover	£111,78
2	1001335	1	Head light assy	£35,88
3	1001336	1	Head light seal	£4,35
4	264.00121.000	4	Head light DC24 3W	£1,38

Parts list

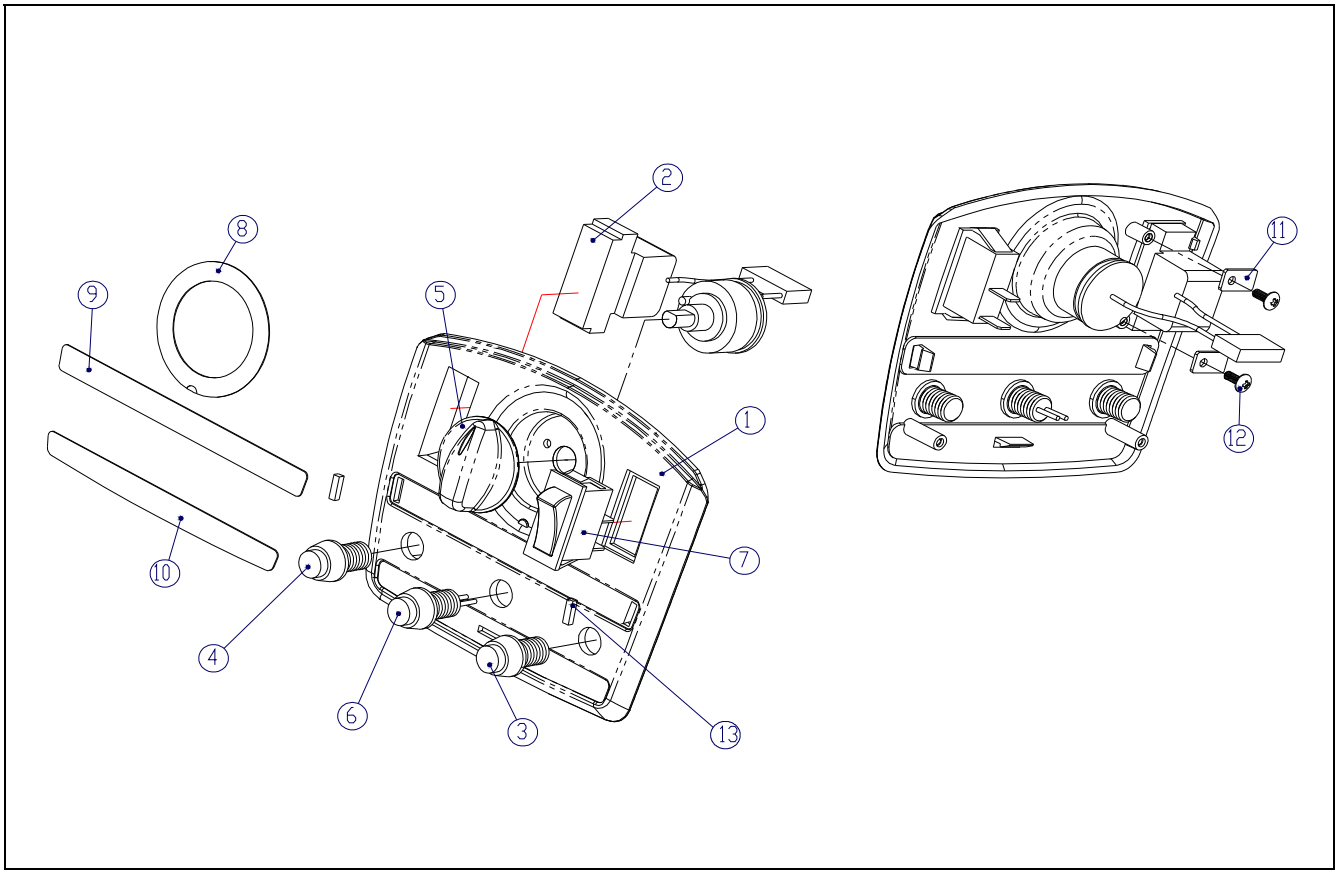
004: CONSOLE BOTTOM COVER ASSY Article number: 161.00151.000 £ 286,35



Pos	Article number	Units	Description	Price 2008
1	1001321	1	Console bottom cover	£104,88
2	1001322	1	Potentionmeter cable assy	£114,54
3	1001323	2	Screw 4,2x12mm	£0,14
4	1001208	1	PCB tiller	£131,10
5	1001324	4	Screw 2,9x8mm	£0,14
6	1001325	1	Horn	£14,49
7	1001326	2	Front indicator assy	£13,11
8	1001327	2	Toggle switch wire assy	£17,25
9	1001328	1	Key switch wire assy	£10,35
10	1001329	1	Console fuse wire assy	£4,35
11	008.00000.481	2	Label "indicator arrows"	£0,76
12	1001281	2	Bulb DC24V 5W T9.5	£0,76
13	1001331	1	Fuse 2A glass	£0,35
14	1001332	1	Head light extend wire assy	£7,59
15	1001333	2	Console indicator assy	£8,28
16	No spare part	2	Plastic washer	-

Parts list

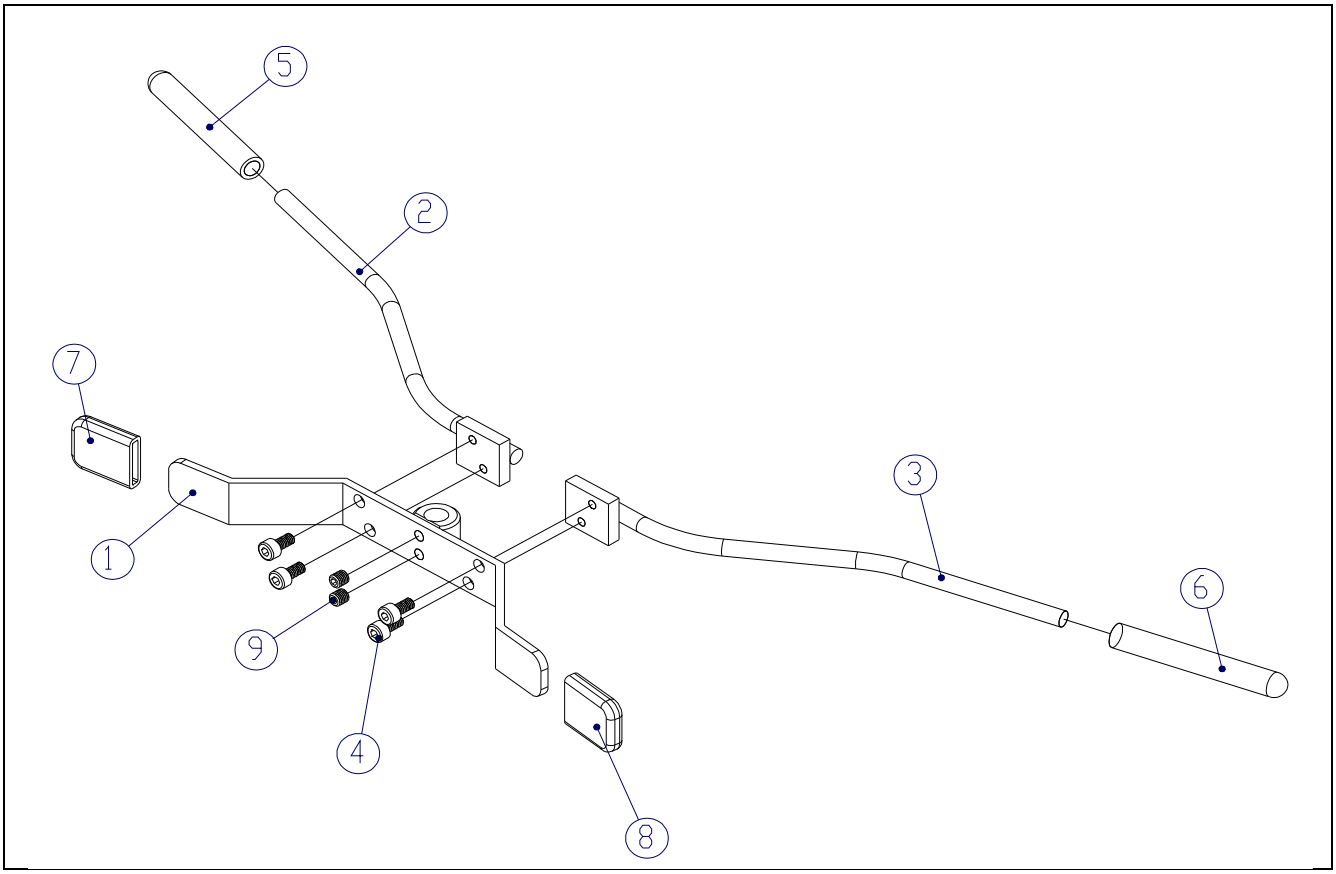
005: CONSOLE PANEL ASSY Article number: 161.00161.000 £ 199,41



Pos	Article number	Units	Description	Price 2008
1	1001337	1	Console panel cover	£66,93
2	1001338	1	Console 8P connector assy	£62,10
3	1001340	1	Horn switch cable assy	£10,35
4	1001340	1	Horn switch cable assy	£10,35
5	1001341	1	Speed knob	£1,17
6	1001342	1	Warning light control assy	£10,35
7	1001343	1	Head light switch cable assy	£10,35
8	008.00000.601	1	Label Speed selector	£3,04
9	008.00000.611	1	Label console upper	£3,04
10	008.00000.621	1	Label console lower	£3,04
11	1001344	2	Battery meter bracket	£0,76
12	1001345	2	Screw M2,9x8mm	£0,14
13	1001346	2	Stuff inserts the panel	£0,14

Parts list

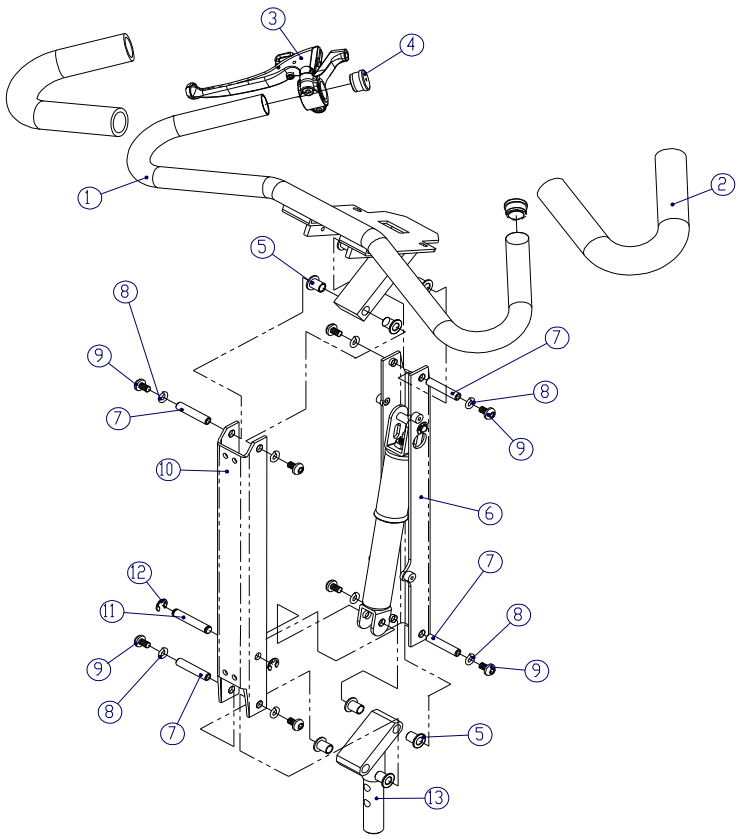
006: WIG-WAG ASSY Article number: 1001350 £ 45,54



Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Wig-wag	-
2	No spare part	1	Finger control (LH)	-
3	No spare part	1	Finger control (RH)	-
4	No spare part	2	Screw M4xP0.7x8L black	-
5	1001355	1	Plastic tip finger (LH) (Green)	£3,04
6	1001356	1	Plastic tip finger (RH) (Yellow)	£3,04
7	1001357	1	Plastic tip thumb (LH) (Yellow)	£3,04
8	1001358	1	Plastic tip thumb (RH) (Green)	£3,04
9	00000.3503	2	Set screw M5xP0.8x5L	£0,28

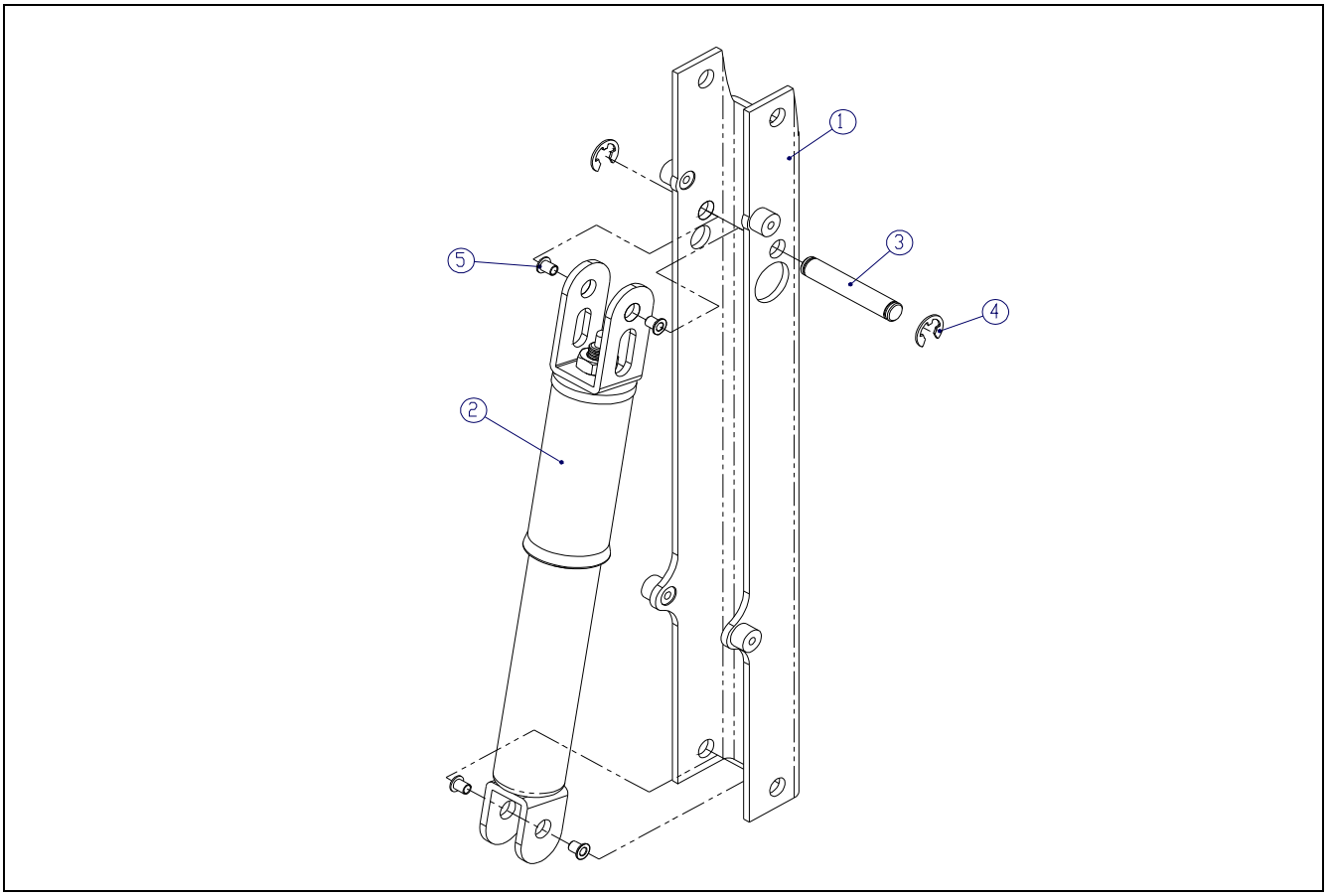
Parts list

007: TILLER ASSY Article number: 124.00131.000 £ 113,85



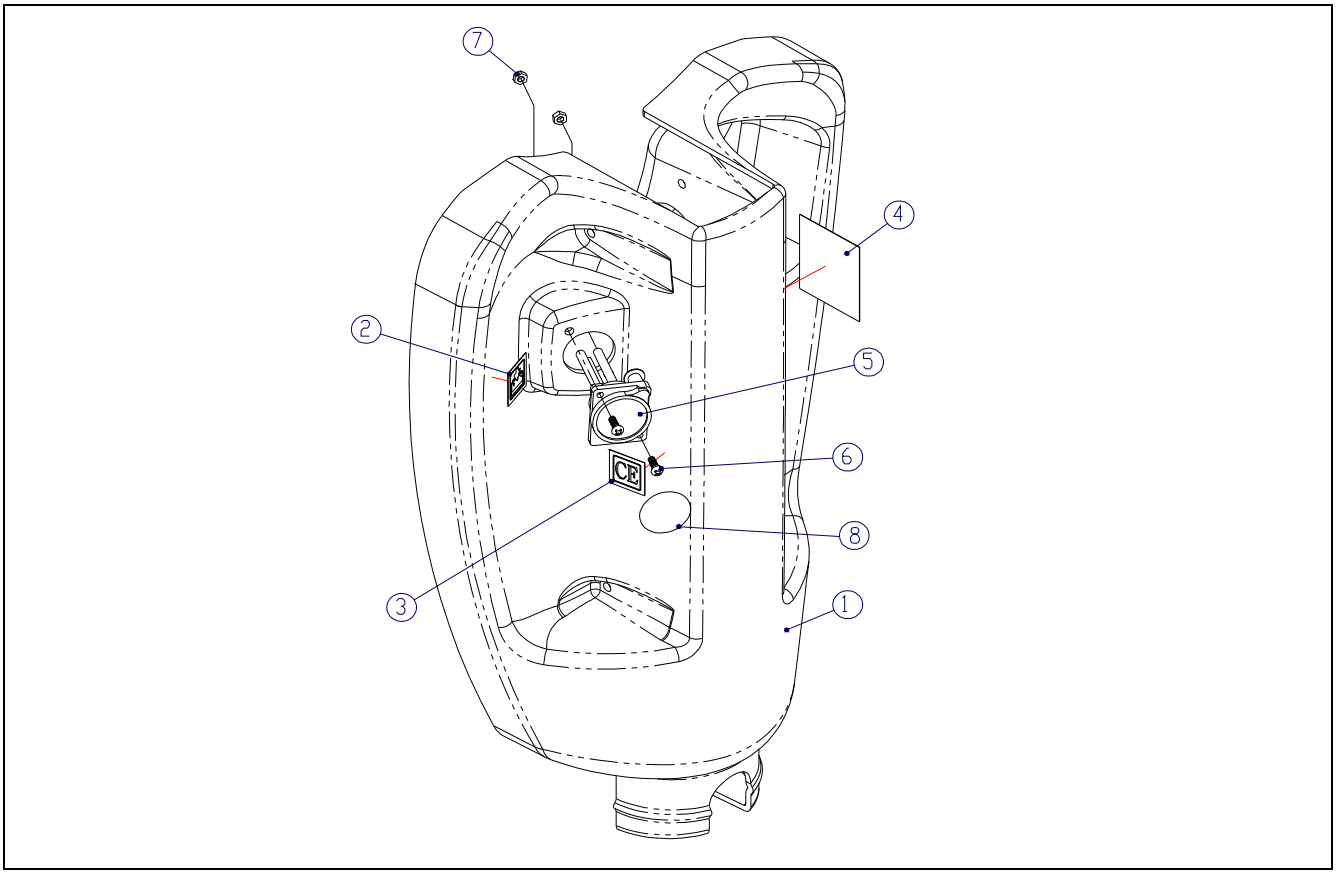
Pos	Article number	Units	Description	Price 2008
1	124.00121.000	1	Handle	£42,09
2	125.00031.000	2	Hand grip (foam)	£8,28
3	108.00281.000	1	Brake handle	£8,28
4	00000.9002	2	Plug for hand grip 22x2	£0,14
5	1001313	8	Pivot bush	£0,76
6	1001308	1	Channel front assy	£44,85
7	1001315	4	Pivot pin	£0,76
8	1001316	8	Spring washer black	£0,14
9	1001317	8	Screw M6xP1.0x10L black	£0,21
10	1001318	1	Channel back	£45,54
11	1001311	1	Pivot pin	£0,76
12	00000.1402	2	Clip E7	£0,28
13	1001320	1	Bottom mounting block of tiller	£21,39

008: CHANNEL FRONT ASSY



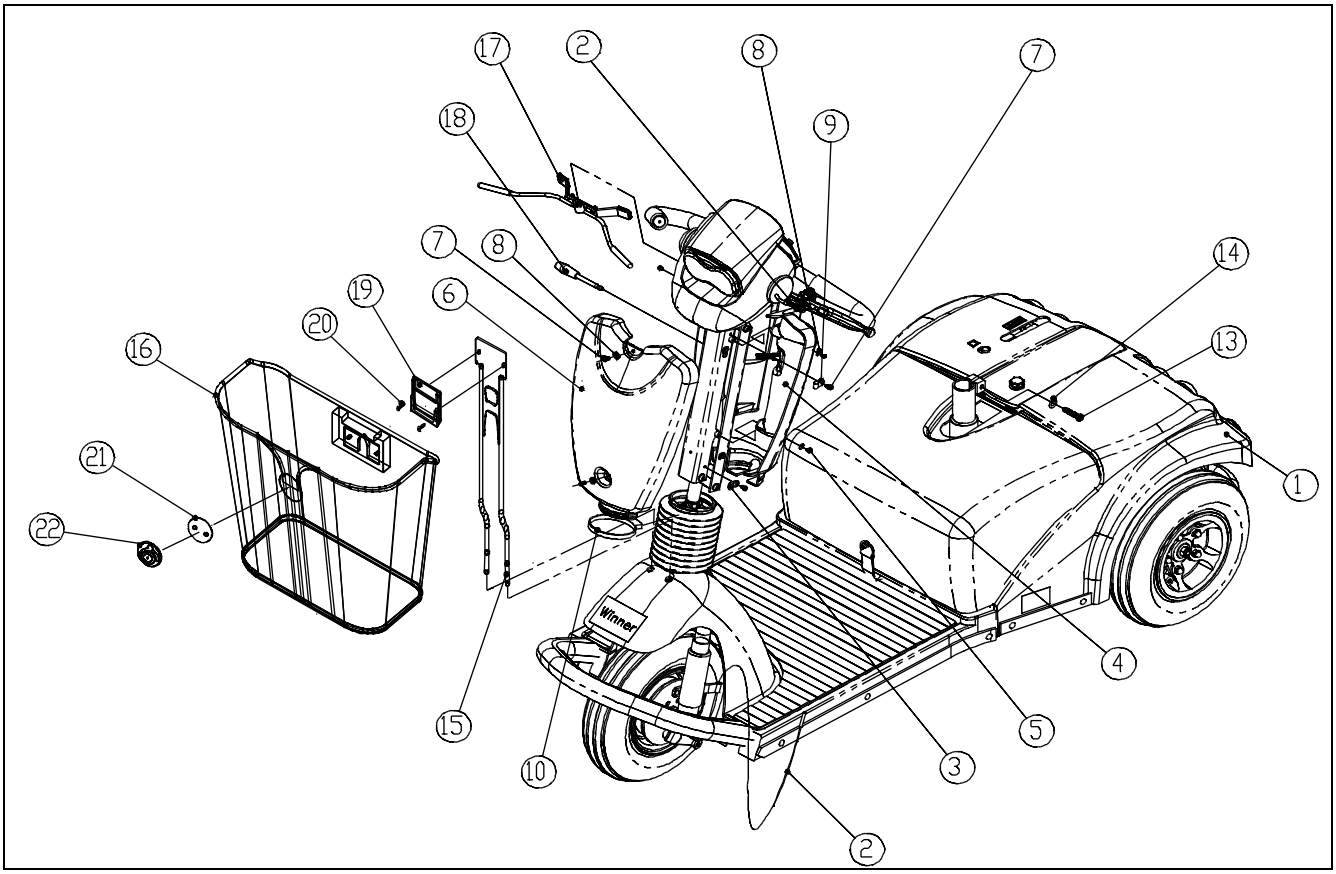
Pos	Article number	Units	Description	Price 2008
1	1001309	1	Channel front	£24,84
2	1001310	1	Gas spring	£66,93
3	1001311	1	Pivot pin	£0,76
4	00000.1402	2	Clip E7	£0,28
5	1001312	4	Bush	£0,76

009: BACK TILLER SHROUD ASSY Article number: 052.00422.000 £ 86,94



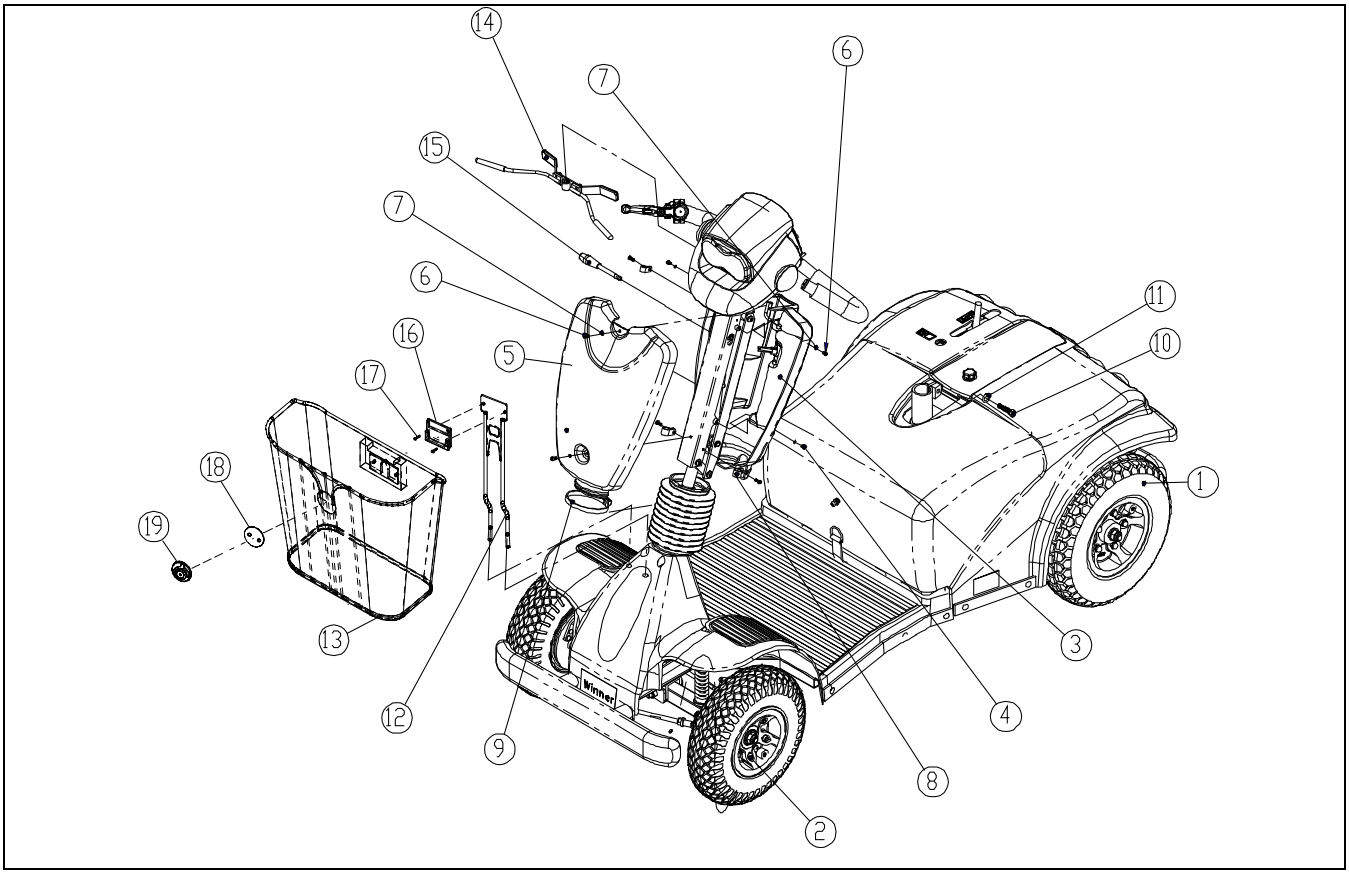
Pos	Article number	Units	Description	Price 2008
1	1001360	1	Rear cover of tiller	£120,75
2	008.00000.391	1	Label "charger"	£0,76
3	00001.1347	1	Label "CE"	£0,48
4	008.00000.371	1	Label "tiller adjust"	£1,52
5	1001361	1	Charger plug cable assy (Cannon Jack)	£17,25
6	1001286	2	Screw M3xP0.5x10L	£0,14
7	00000.1506	2	Nut M3xP0.5	£0,14
8	No spare part	1	Label "charger set"	-

010: SCOOTER ASSY (3W)



Pos	Article number	Units	Description	Price 2008
1	No spare part	1	3W scooter pro assy	-
2	108.00291.000	1	Brake cable assy	£3,93
3	00000.7718	1	P-clip ACC-4	£0,21
4	052.00422.000	1	Back tiller shroud assy	£86,94
5	1001365	4	Screw M4xP0.7x6L black	£0,14
6	052.00342.000	1	Front cover of tiller	£62,79
7	1001366	6	Screw M4xP0.7x10L black	£0,14
8	1001367	6	Flat washer W4 black	£0,14
9	1254	3	P-clip ACC-3	£0,76
10	1001368	1	Hose clamp	£0,76
11	No spare part	X	X	-
12	No spare part	X	X	-
13	00000.4134	1	Screw M8xP1.25x35L	£1,24
14	00000.2203	1	Spring washer M8	£0,14
15	9000812	1	Basket holder	£14,49
16	9001135	1	Basket	£37,95
17	1001350	1	Wig-wag assy	£45,54
18	1001370	1	Tiller lever	£13,11
19	9000704	1	Basket lock	£6,56
20	00000.3612	2	Bolt M4*10	£0,14
21	9000872	1	Tape	£0,76
22	9002232	1	Handicare logo	£3,93

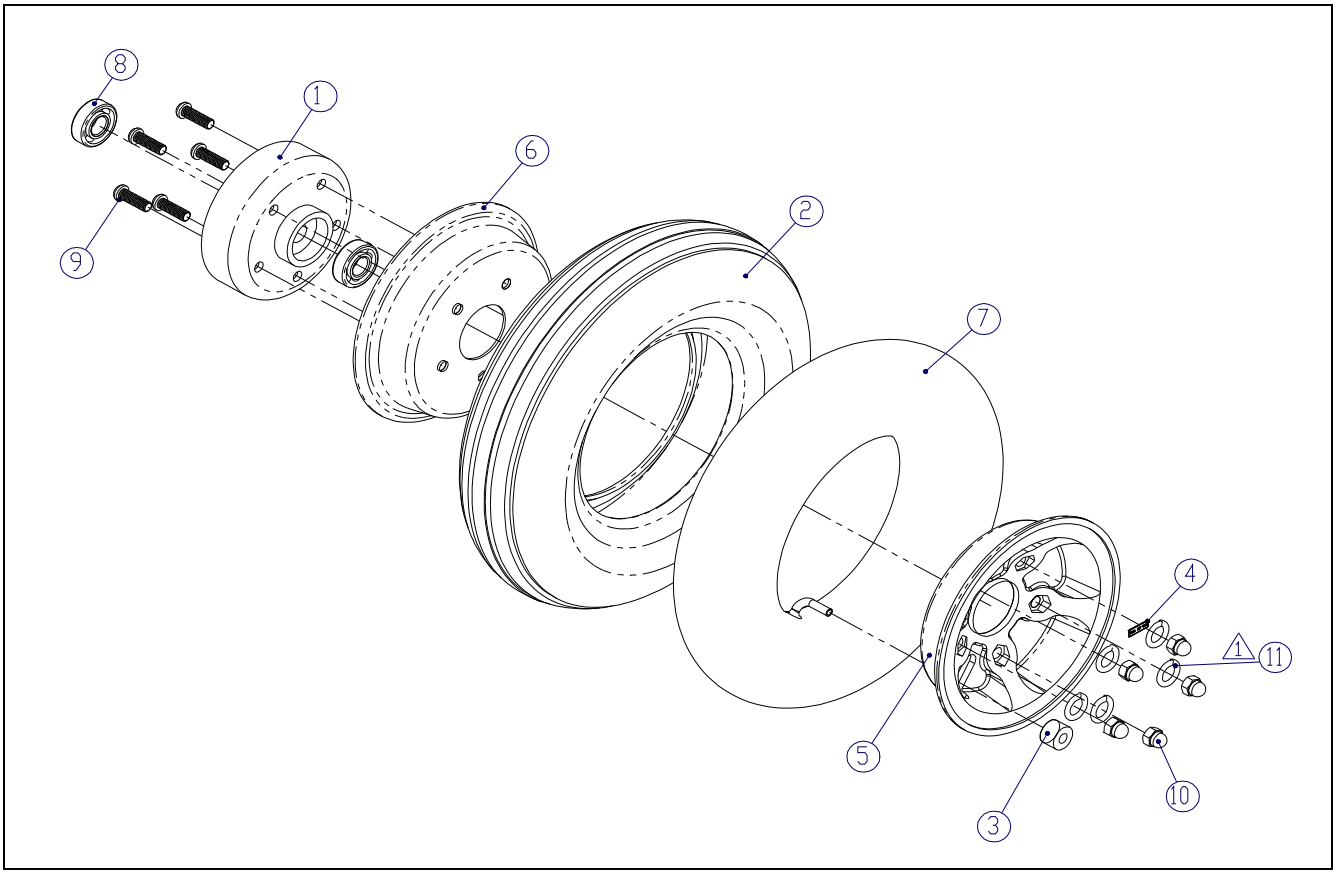
011: SCOOTER ASSY (4W)



Pos	Article number	Units	Description	Price 2008
1	170.00352.000	1	Rear wheel assy	£67,62
2	1004591	1	Front wheel assy	£71,76
3	052.00422.000	1	Tiller cover assy rear	£86,94
4	1001365	4	Screw M4*P0.7*6mm	£0,14
5	052.00342.000	1	Tiller cover assy front	£62,79
6	1001366	6	Screw M4*P.07*10mm	£0,14
7	1001367	6	Washer Ø3*Ø6*0.5t	£0,14
8	1254	4	P-clip	£0,76
9	1001368	1	Hose clamp	£0,76
10	00000.4134	1	Bolt M8*P1.25*35mm	£1,24
11	00000.2203	1	Spring washer M8	£0,14
12	9000812	1	Basket holder	£14,49
13	9001135	1	Basket	£37,95
14	1001350	1	Wig-wag assy	£45,54
15	1001370	1	Tiller lever	£13,11
16	9000704	1	Basket lock	£6,56
17	00000.3612	2	Bolt M4*10	£0,14
18	9000872	1	Tape	£0,76
19	9002232	1	Handicare logo	£3,93

Parts list

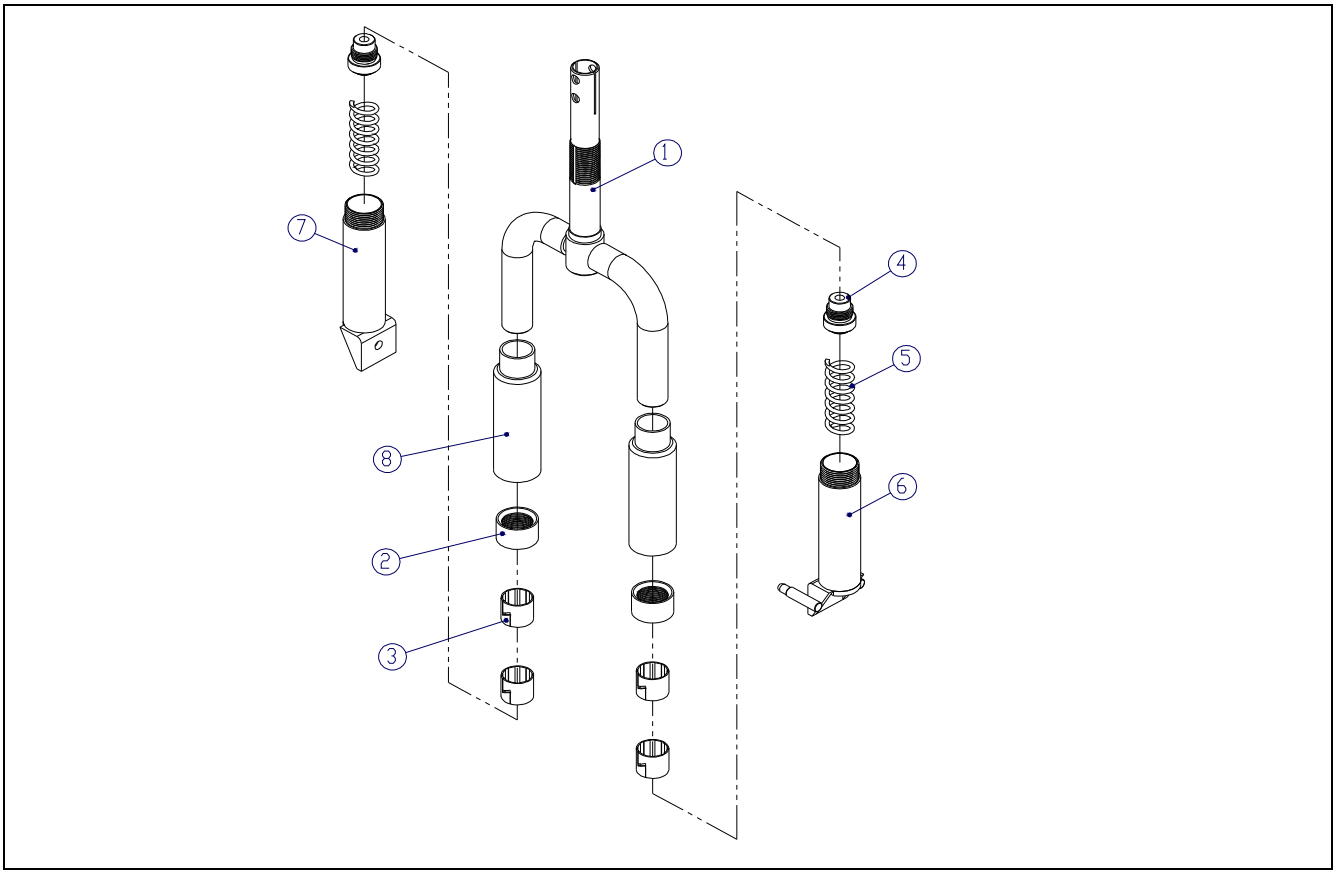
012: FRONT TIRE ASSY (3W) Article number: 170.00342.000 £ 73,14



Pos	Article number	Units	Description	Price 2008
1	176.00182.000	1	Brake hub	£13,11
2	172.00062.000	1	Outer tire 4.10x3.50x6"	£24,84
3	176.00191.000	1	Spacer Bush	£1,59
4	00001.1462	1	Label max 2.7 bar	£0,35
5	173.00052.000	1	Outer Rim 6"	£26,91
6	173.00042.000	1	Inner Rim 6"	£13,11
7	171.00021.000	1	Tube Inner with Cap	£10,35
8	015.07030.000	2	Bearing 6202/2RS	£6,56
9	00000.3706	5	Screw M8xP1.25x25L	£0,28
10	00000.1802	5	Nut M8xP1.25	£0,41
11	00000.2203	5	Spring washer SW8	£0,14

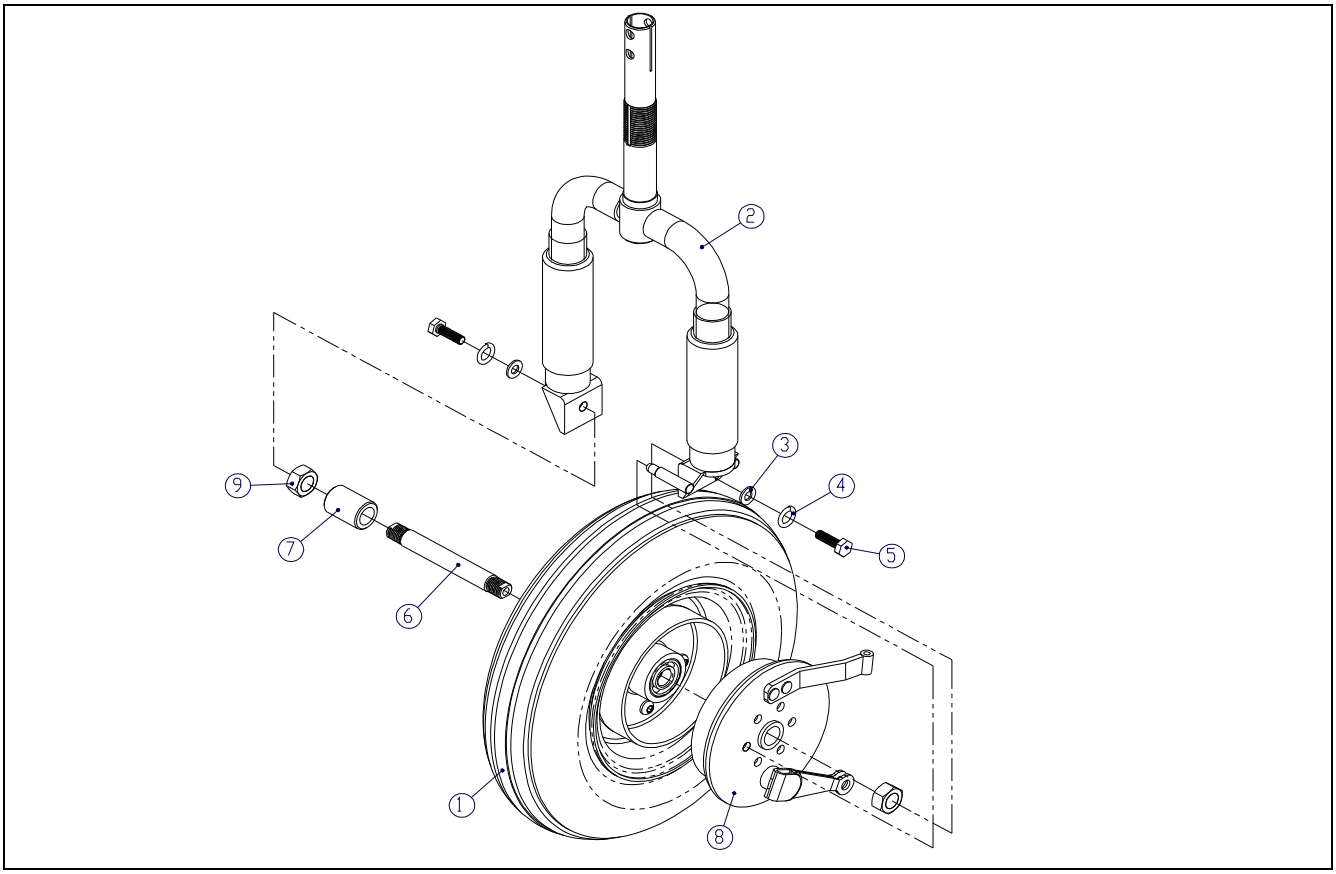
Parts list

013: FRONT FORK (3W) Article number: 110.00022.000 £ 100,05



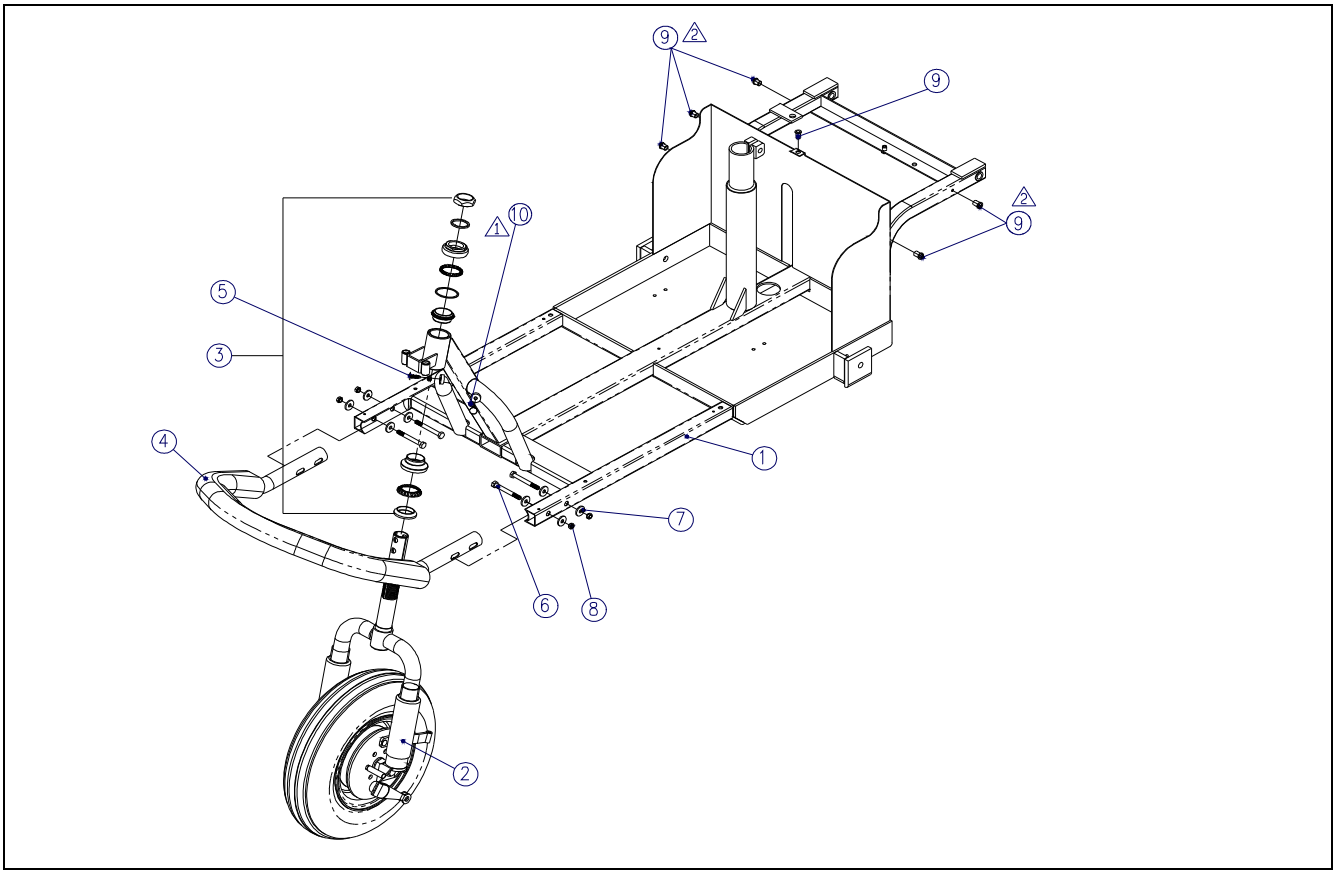
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Fork Weldment	-
2	No spare part	2	Tube cap	-
3	No spare part	4	Nylon bearing	-
4	No spare part	2	Spring stopper	-
5	No spare part	2	Compression Spring	-
6	No spare part	1	Lower tube weldment (LH)	-
7	No spare part	1	Lower tube weldment (RH)	-
8	No spare part	2	Dust cap	-

014: FRONT FORK ASSY (3W)



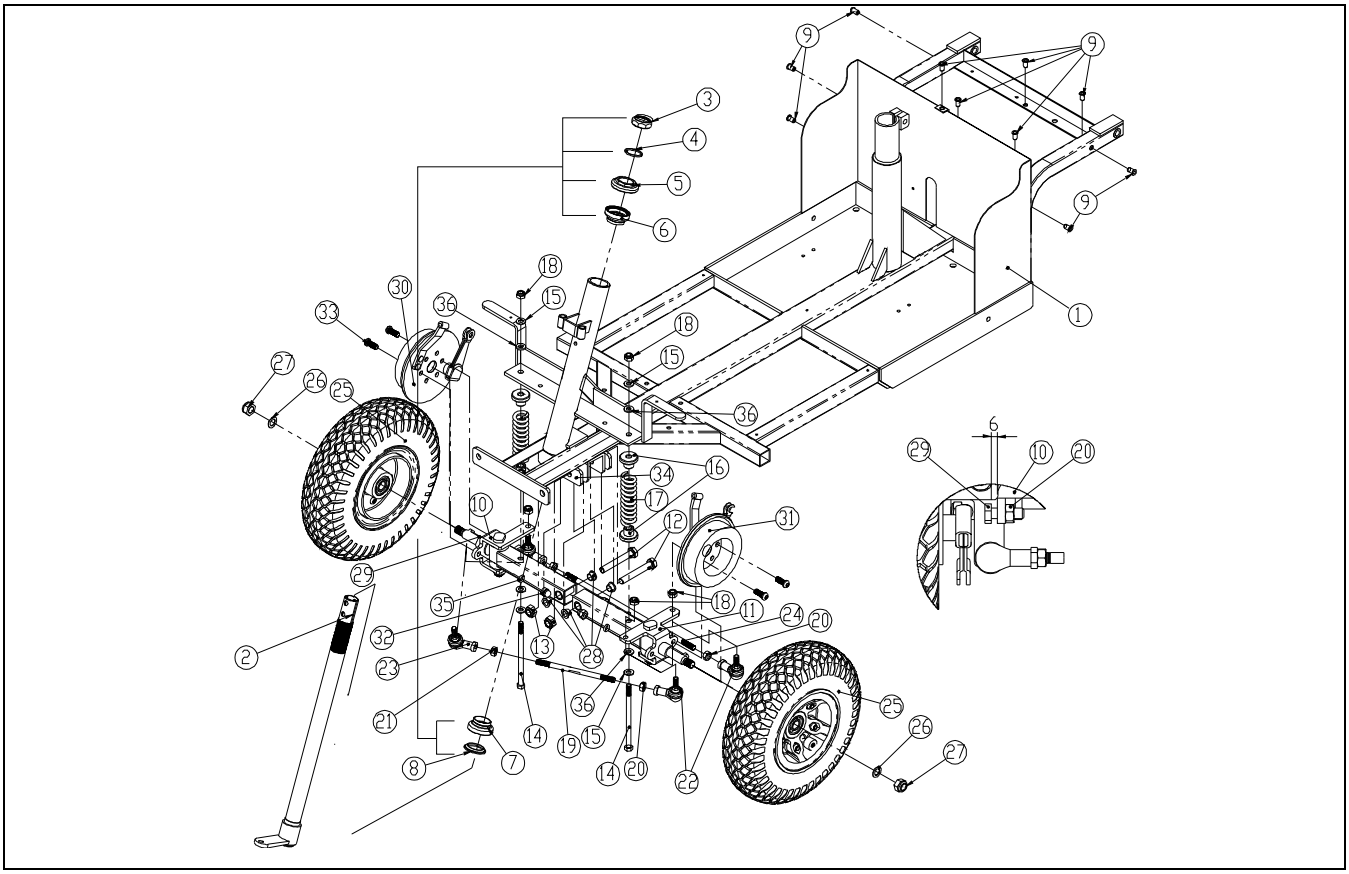
Pos	Article number	Units	Description	Price 2008
1	170.00342.000	1	Front wheel assy (3W)	£73,14
2	110.00022.000	1	Front fork assy	£100,05
3	00000.2003	2	Flat washer M8	£0,14
4	00000.2203	2	Spring washer M8	£0,14
5	00000.4135	2	Screw M8xP1.25x25L	£0,14
6	176.00172.000	1	Axle for front wheel	£3,04
7	176.00251.000	1	Collar for front wheel	£0,76
8	108.00271.000	1	Break assy for front wheel	£52,44
9	1001257	2	Nut M14xP1.5	£0,14

015: FRONT FRAME ASSY (3W)



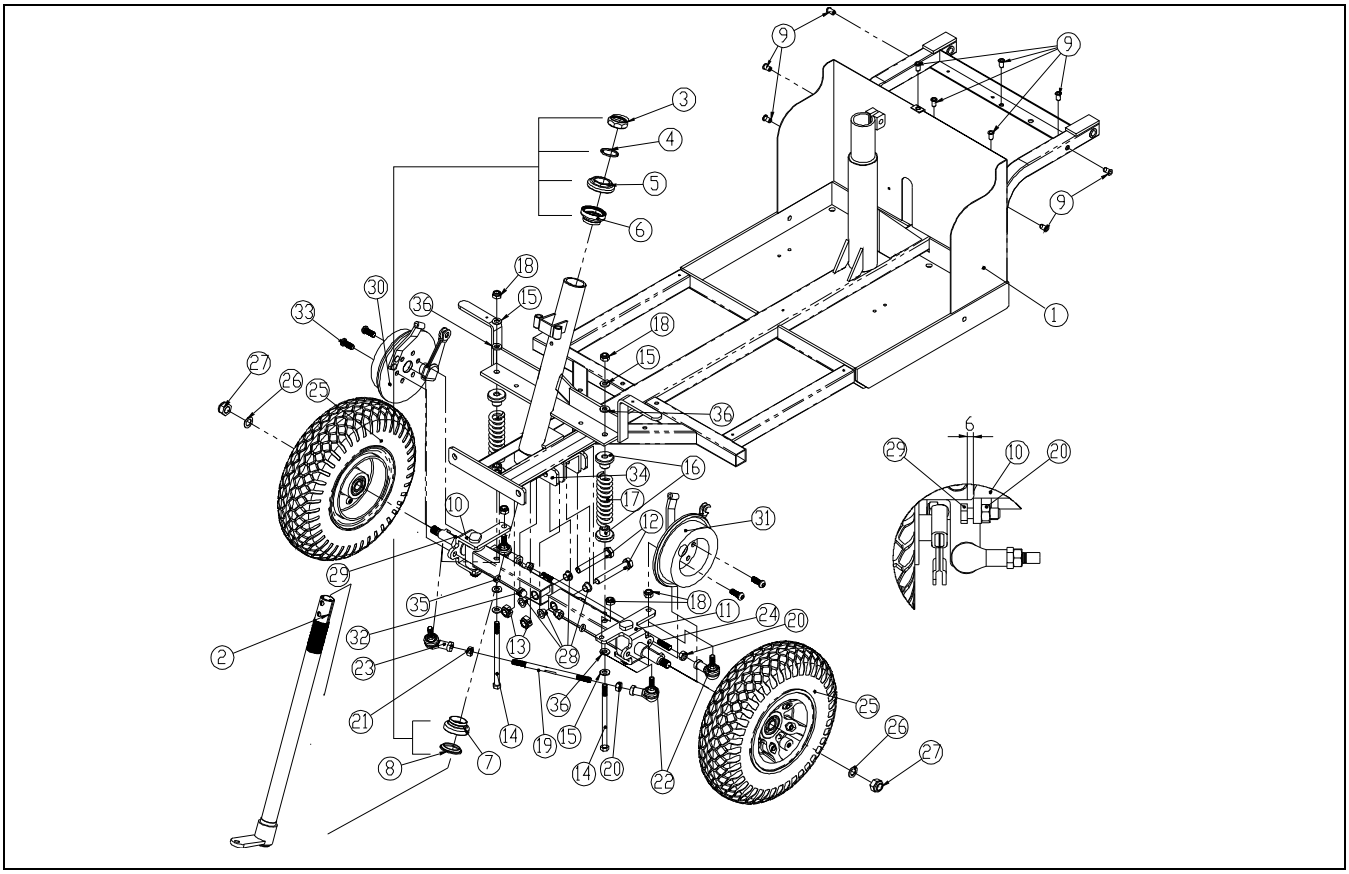
Pos	Article number	Units	Description	Price 2008
1	110.00072.000	1	Front frame weldment	£328,44
2	No spare part	1	Front fork & wheel assy	-
3	015.07010.002	1	Head set	£15,18
4	126.00011.000	1	Front bumper	£55,89
5	No spare part	2	Snap button	-
6	00000.4104	4	Screw M6xP1.0x55L	£0,21
7	00000.2002	8	Flat washer W6	£0,14
8	00000.1701	4	Lock nut M6xP1.0	£0,14
9	1001261	6	Nut-inserts	£0,21
10	No spare part	X	X	-

016: FRONT FRAME ASSY (4W)



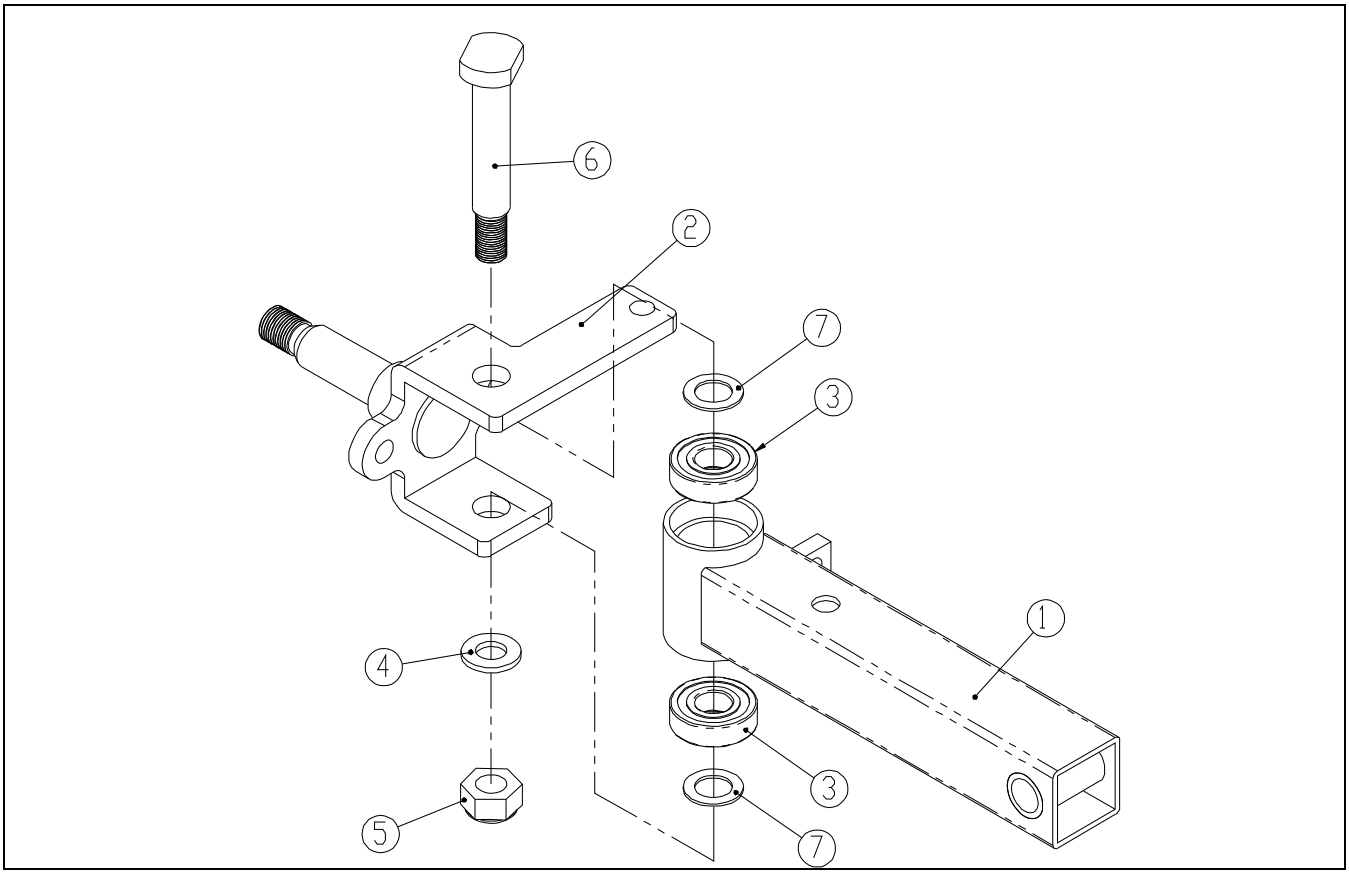
Pos	Article number	Units	Description	Price 2008
1	1004626	1	Frontframe 4w weldment	£313,95
2	1004581	1	Steering tube	£37,95
3-8	015.07010.002	1	Head set	£15,18
9	1001261	10	Insert	£0,21
10	1004582	1	Knuckle RHS	£63,48
11	1004583	1	Knuckle LHS	£63,48
12	00000.4110	2	Bolt M10xP1.5*70mm	£0,35
13	00000.1703	2	Nut M10*P1.5	£0,35
14	001.03010.003	2	Bolt M8*P1.25*125mm	£1,73
15	00000.2103	4	Washer Ø8*Ø16*1.5	£0,14
16	1004584	4	Plug Ø30*20mm	£4,49
17	1004585	2	Spring Ø26.5*Ø16.5*94.5mm	£17,25
18	00000.1702	6	Nut M8*P1.25	£0,21
19	1004586	1	Rod Ø8*140mm	£3,80
20	1004597	4	Nut (rod) M8*P1.25	£0,14
21	1004598	2	Nut (rod) M8*P1.25	£0,14
22	1004588	2	Bearing (rod)	£5,24
23	1004589	2	Bearing (rod)	£5,24
24	1004587	1	Rod Ø8*300mm	£6,00

016: FRONT FRAME ASSY (4W)



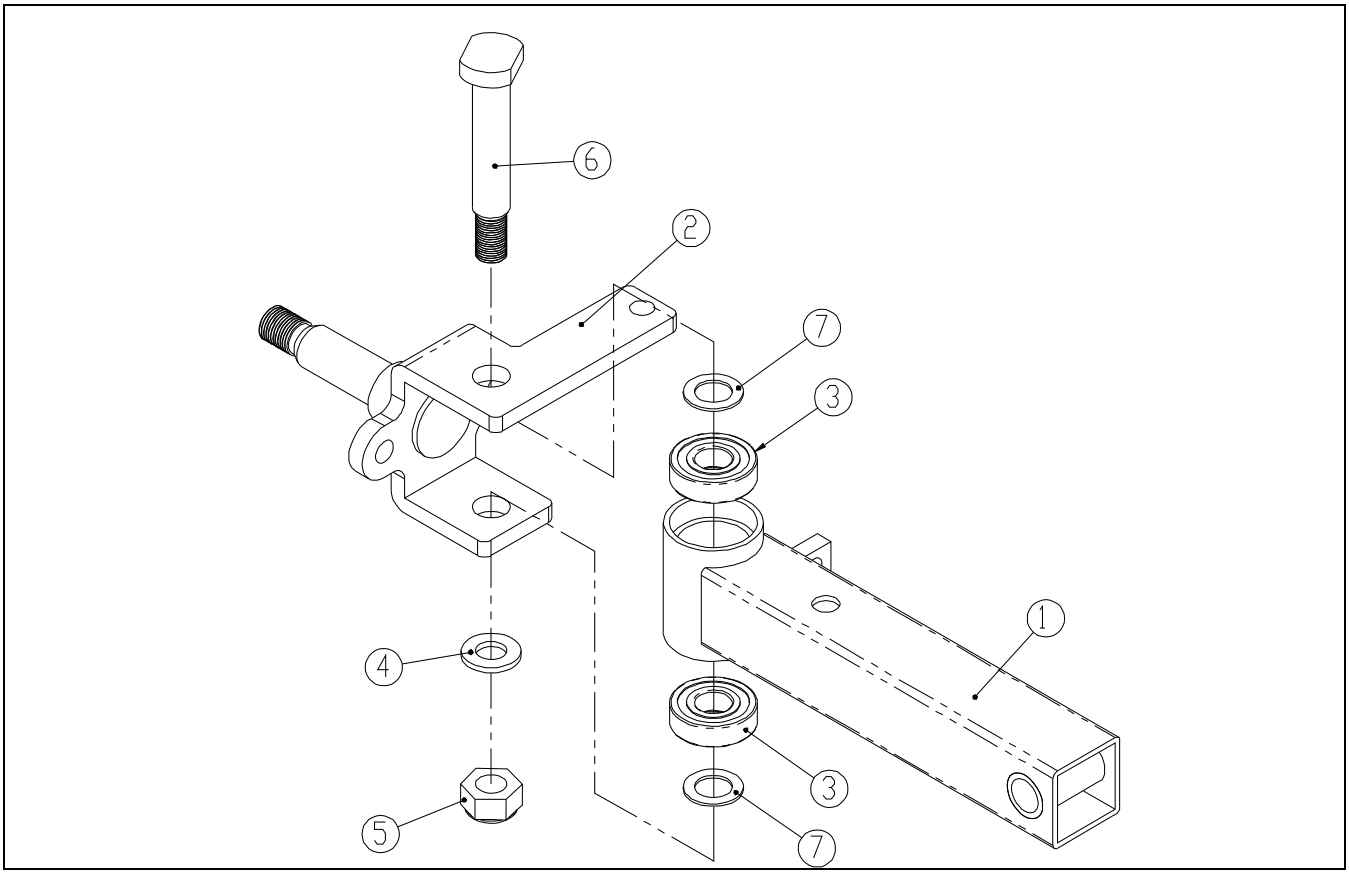
Pos	Article number	Units	Description	Price 2008
25	1004591	2	Front wheel assy	£71,76
26	00000.2005	2	Washer Ø12*Ø19*1.0	£0,21
27	00000.1703	2	Lock nut M12*P1.75	£0,35
28	1004593	4	Bush Ø16*8mm	£0,62
29	00000.4135	2	Bolt M8*P1.25*25mm	£0,14
30	1004594	1	Brake assy RHS	£52,44
31	1004595	1	Brake assy LHS	£52,44
32	00000.1502	4	Nut M8*P1.25	£0,14
33	00000.4311	4	Bolt M8*P1.25*20mm	£0,14
34	1004596	2	Strip 5t*30*100	£2,97
35	00000.2203	4	Spring Washet M8 SW8	£0,14
36	00000.2103	4	Washer Ø8*Ø16*2.0t	£0,14

017: KNUCKLE RHS ASSY (4W) Article number: 1004582 £ 63,48



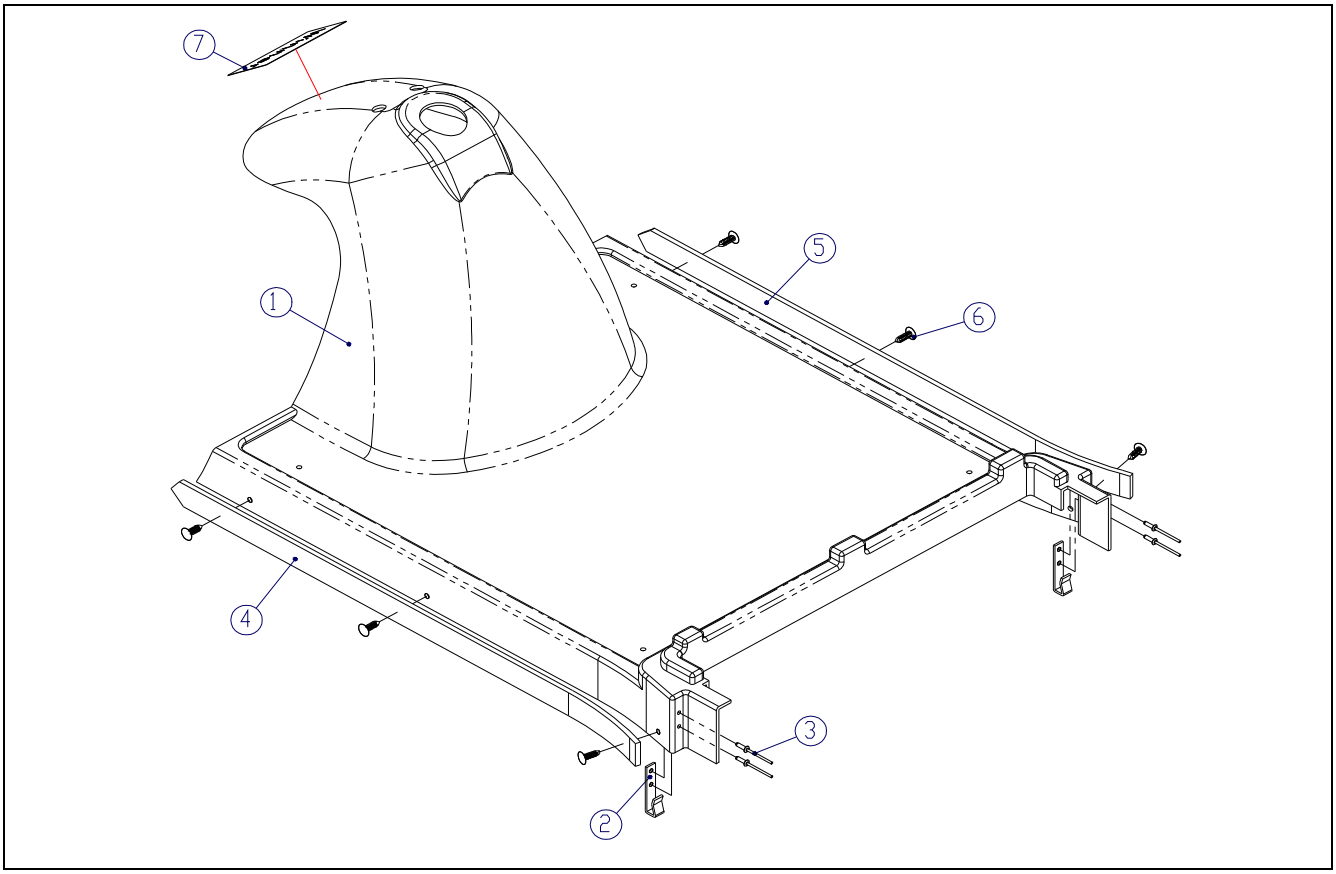
Pos	Article number	Units	Description	Price 2008
1	1004599	1	Bracket	£24,84
2	1004600	1	Knuckle	£30,36
3	1004601	2	Ball bearing	£5,24
4	00000.2003	1	Washer M8	£0,14
5	00000.1702	1	Nut M8*P1.5	£0,21
6	1004602	1	Bolt M8*P1.5	£4,49
7	1004603	2	Washer	£0,21

018: KNUCKLE LHS ASSY (4W) Article number: 1004583 £ 63,48



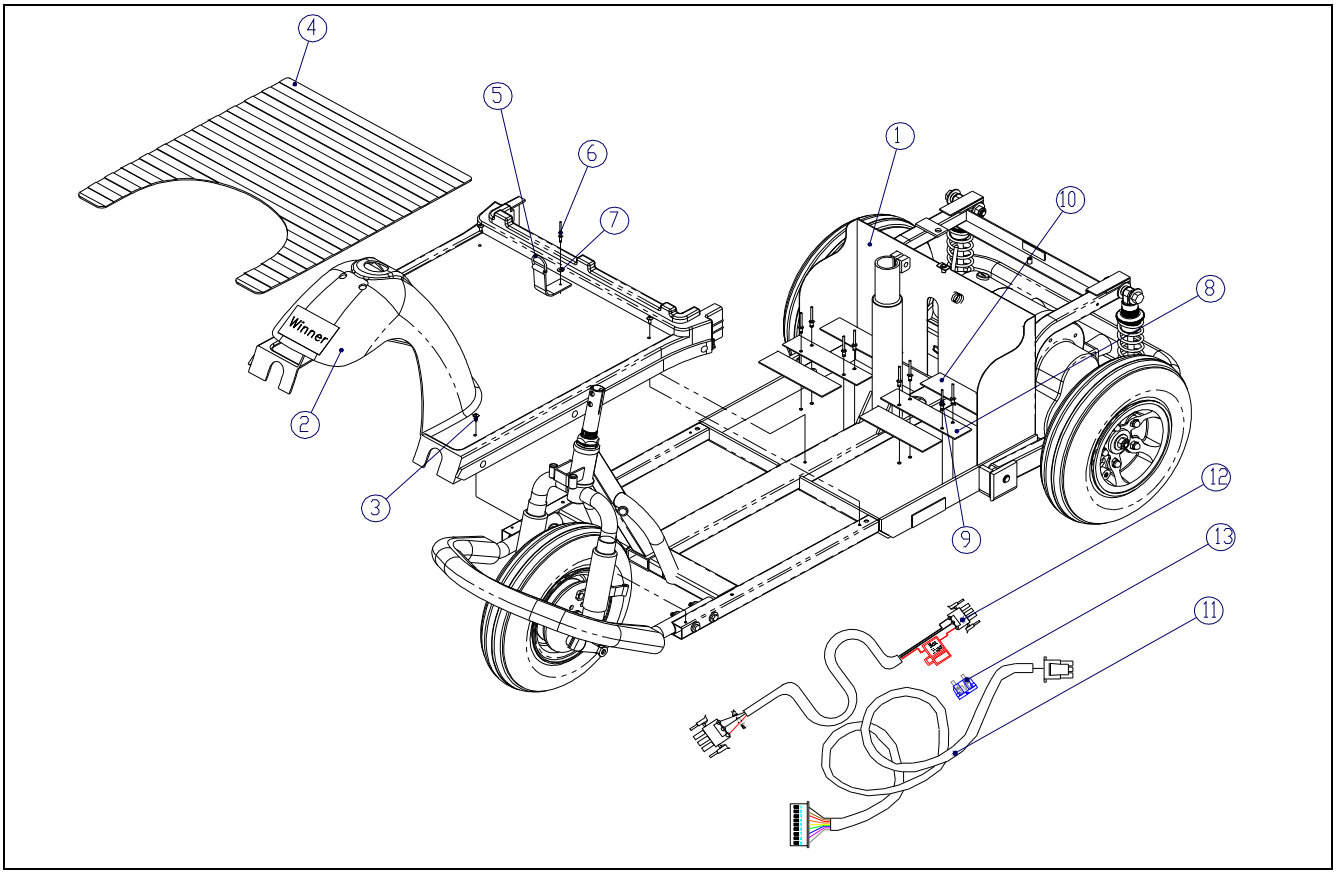
Pos	Article number	Units	Description	Price 2008
1	1004604	1	Bracket	£24,84
2	1004605	1	Knuckle	£30,36
3	1004601	2	Ball bearing	£5,24
4	00000.2003	1	Washer M8	£0,14
5	00000.1702	1	Nut M8*P1.5	£0,21
6	1004602	1	Bolt M8*P1.5	£4,49
7	1004603	2	Washer	£0,21

019: FLOORPAN ASSY (3W) Article number: 052.00302.000 £ 170,43



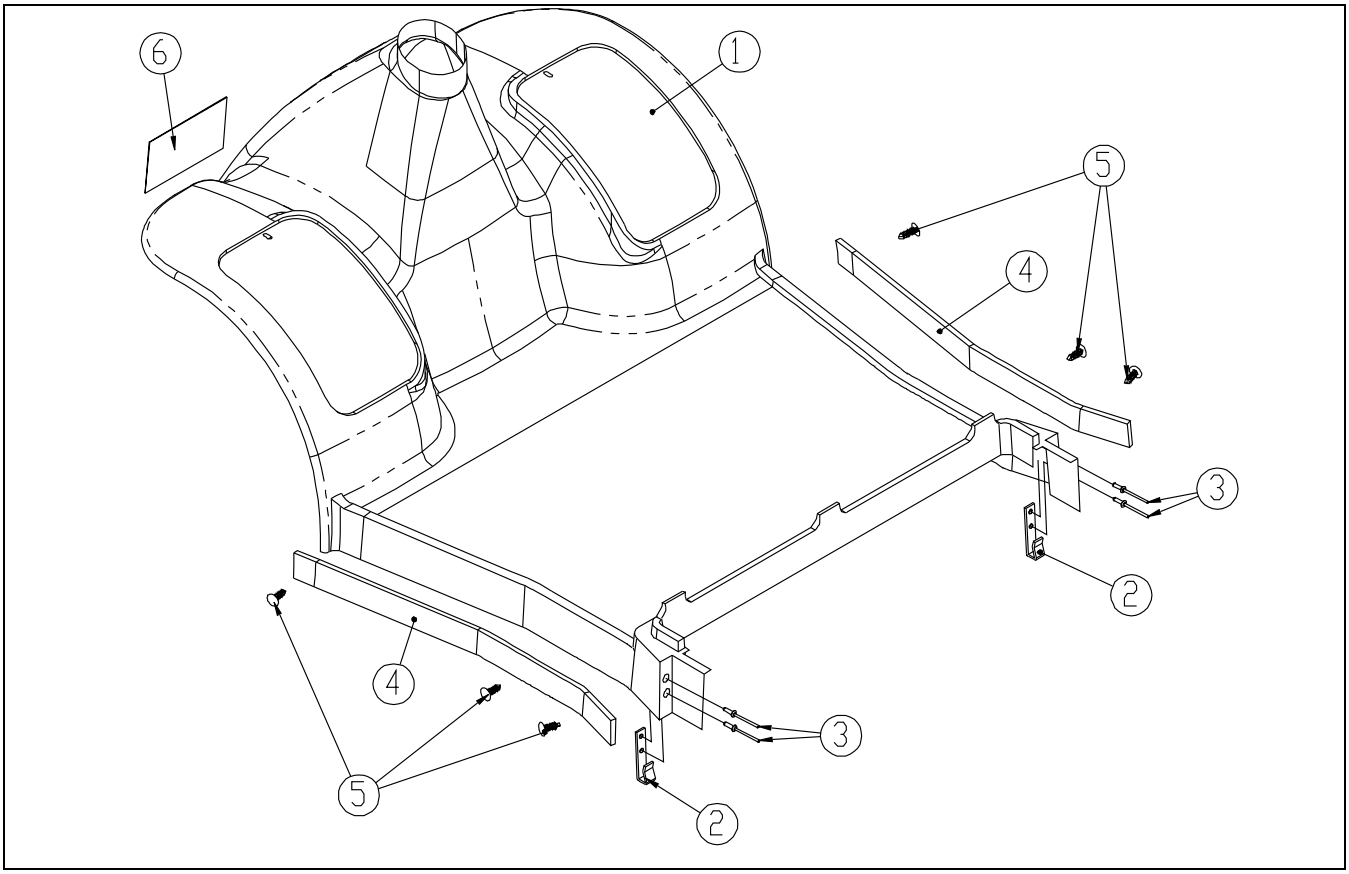
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Front cover 3w	-
2	1001273	2	Shroud "J" bracket	£3,93
3	00001.1110	4	Rivet pop	£0,21
4	126.00032.000	1	Bumper trim (LH)	£4,35
5	126.00042.000	1	Bumper trim (RH)	£4,35
6	001.15010.002	6	Snap button	£0,21
7	008.00000.401	1	Label "Winner"	£17,94

020: SCOOTER ASSY (3W)



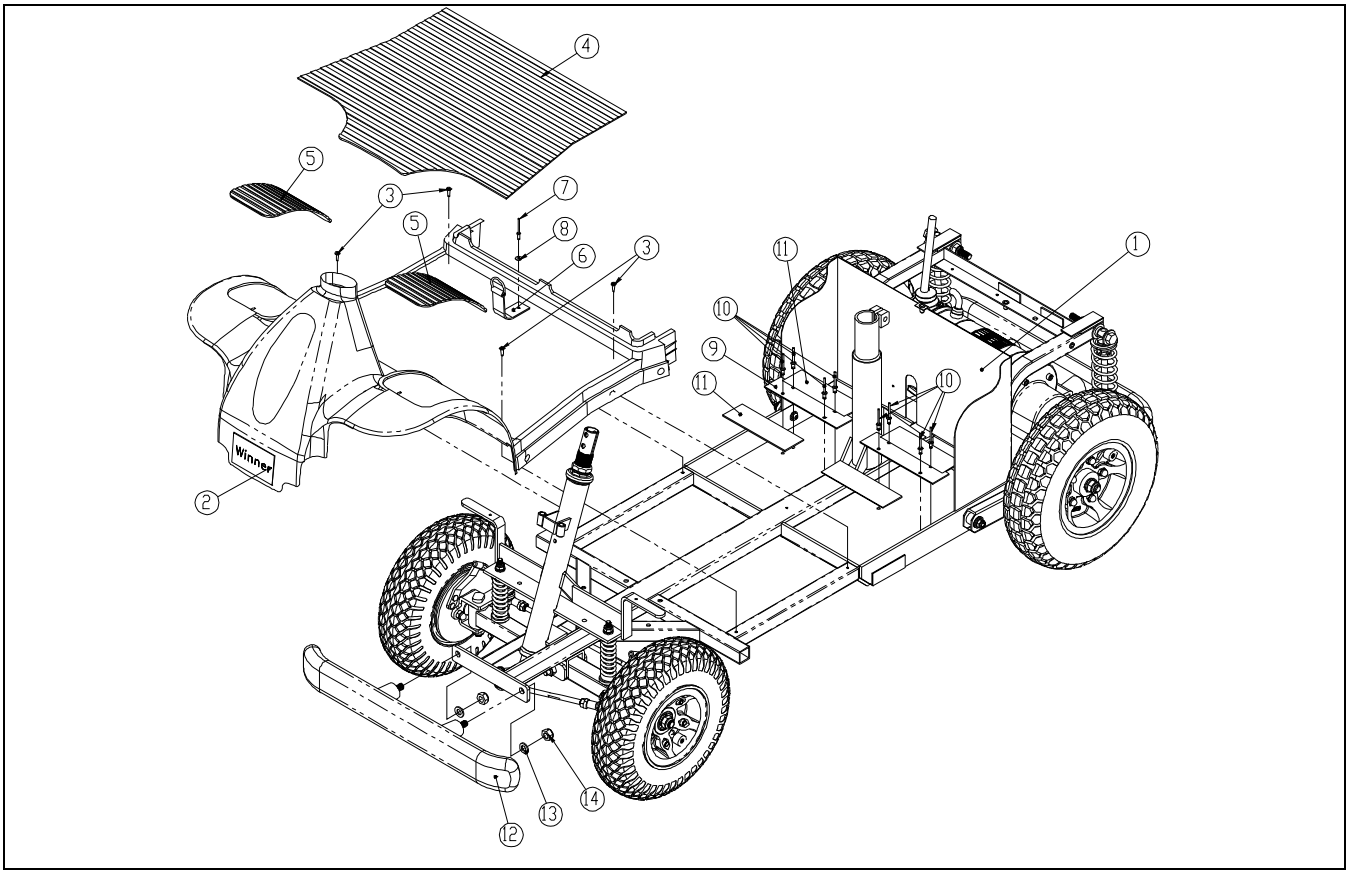
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Body frame assy	-
2	052.00302.000	1	Floorpan assy	£170,43
3	00000.3304	4	Screw 4,2x16	£0,14
4	257.00001.000	1	Floor mat 3w	£14,49
5	1001276	1	Holding Elastic Band	£1,93
6	00001.1110	1	Rivet pop 4-4	£0,21
7	00000.2108	1	Flat washer W3	£0,28
8	138.00011.000	2	Battery strap	£9,66
9	001.15010.001	8	Rivet pop 6-3	£0,21
10	1001277	4	Battery mat	£2,90
11	1001385	1	Main wire	£66,24
12	055.00401.000	1	Charger extend cable	£34,50
13	005.01210.000	1	Fuse 15A	£1,73

021: FLOORPAN ASSY (4W) Article number: 1004575 £ 207,69



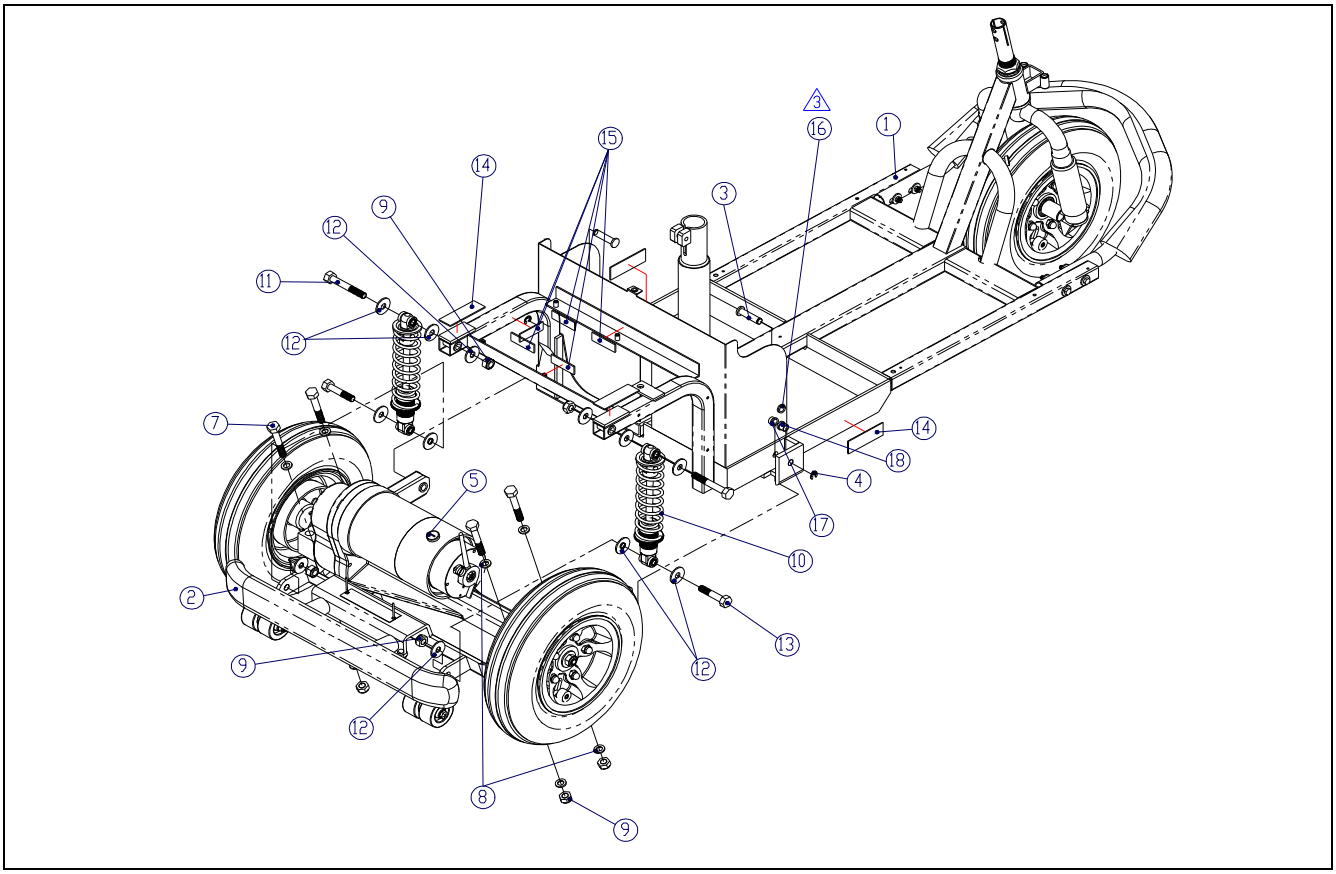
Pos	Article number	Units	Description	Price 2008
1	1004579	1	Front cover	£185,61
2	1001273	2	Bracket 2t*10*80	£3,93
3	00001.1110	4	Pop rivet	£0,21
4	1004580	2	Side strip 5t*25*380L	£4,62
5	1004198	6	Snap button	£0,21
6	008.00000.401	1	Vinyl Winner label 57*59	£17,94

022: SCOOTER ASSY (4W)



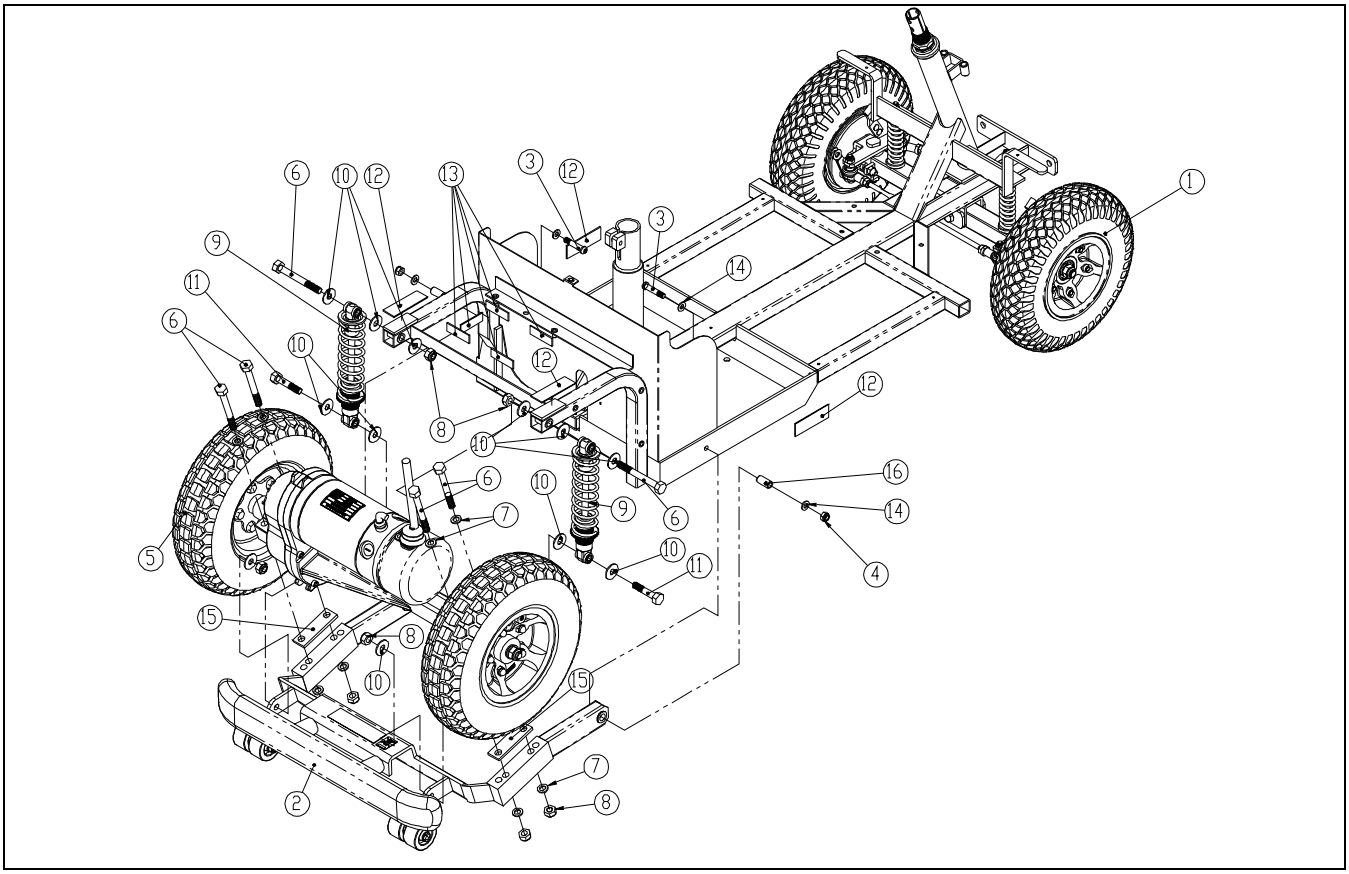
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Main frame assy	-
2	1004575	1	Front cover assy	£207,69
3	00000.3304	4	Screw M4*16mm	£0,14
4	1004576	1	Floor mat 3.0t*390*490	£17,94
5	1004577	2	Foot step 3.0t*107*188	£10,35
6	1001276	1	Elastic strap	£1,93
7	00001.1110	1	Pop rivet	£0,21
8	00000.2108	1	Washer M3	£0,28
9	138.00011.000	2	Battery strap 38mm*800mm	£9,66
10	001.15010.001	8	Pop rivet	£0,21
11	1001277	4	Battery mat 2.0t*45*145	£2,90
12	1004578	1	Bumper front 4w	£52,44
13	00000.2004	2	Washer M10	£0,14
14	00000.1703	2	Nut M10*P1.5	£0,35

023: BODY FRAME ASSY (3W)



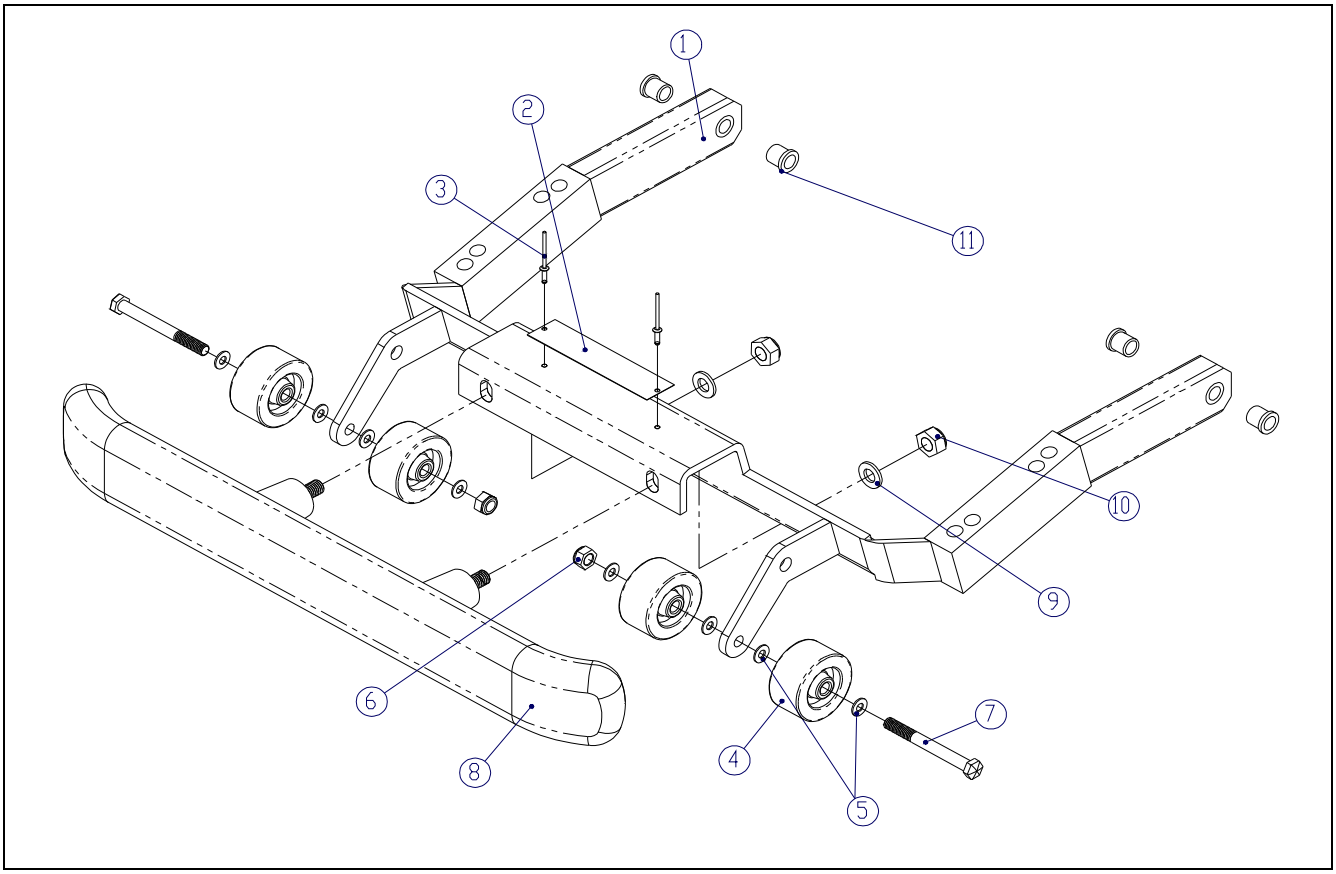
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Front frame assy	-
2	No spare part	1	Rear frame assy	-
3	110.00141.000	2	Axle for rear frame	£1,52
4	00000.1402	2	Clip E7	£0,28
5	See page 29,30,31	1	Transaxle assy	-
6	No spare part	X	X	-
7	No spare part	4	Screw M10xP1.5x90L	-
8	00000.2004	8	Flat washer M10	£0,14
9	00000.1703	4	Lock nut M10xP1.5	£0,35
10	013.00000.022	2	Shock absorber	£53,13
11	00000.4110	2	Screw M10xP1.5x70L	£0,35
12	00000.2104	12	Flat washer M10	£0,21
13	1001267	2	Screw M10xP1.5x50L	£0,28
14	1001268	4	Velcro-hooks	£0,76
15	1001269	5	Velcro-hooks	£0,76
16	00000.2004	2	Flat washer M10	£0,14
17	1001233	2	Bushing	£0,76
18	1001271	2	Bushing	£0,76

024: BODY FRAME ASSY (4W)



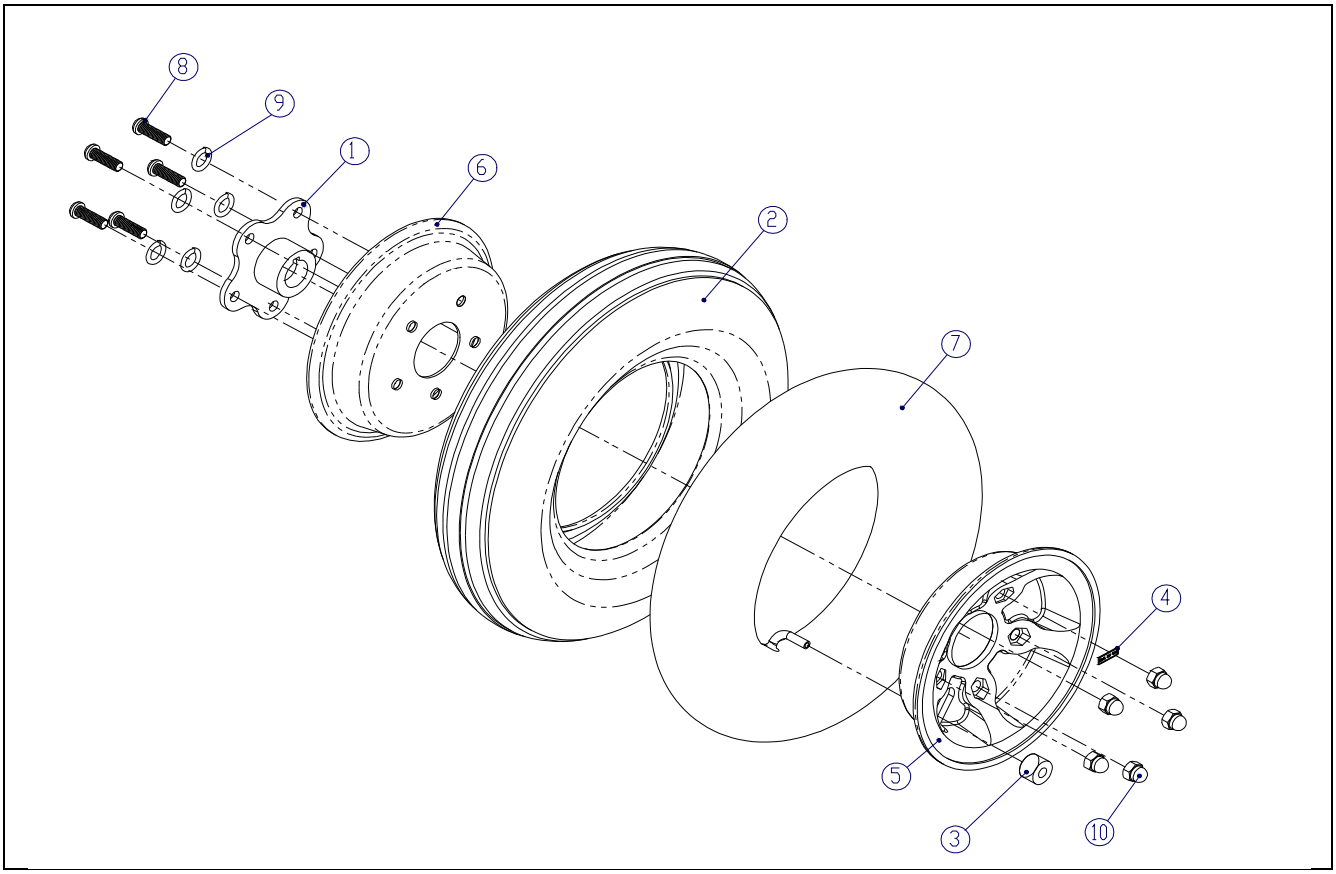
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Front frame assy 4w	-
2	No spare part	1	Rear frame assy (modified)	-
3	00000.4105	2	Bolt M8xP1.25*40mm	£0,21
4	00000.1502	2	Nut M8*P1.25	£0,14
5	See page 29,30,30	1	Transaxle assy	-
6	1001266	6	Bolt M10*P1.5*90mm	£0,48
7	00000.2004	8	Washer M10*P1.5*90mm	£0,14
8	00000.1703	8	Nut M10*P1.5	£0,35
9	013.00000.022	2	Shock absorber 10*27*1.8t	£53,13
10	00000.2104	12	Washer M10	£0,21
11	00000.4110	2	Bolt M10*P1.5*50mm	£0,35
12	1001268	4	Velcro hooks strip	£0,76
13	1001269	5	Velcro hooks strip	£0,76
14	00000.2003	4	Washer M8	£0,14
15	9000689	2	Rubber transaxle strip	£0,76
16	1004606	2	Bush 20*8mm	£0,76

025: REAR FRAME ASSY Article number: 1001230 £ 191,13



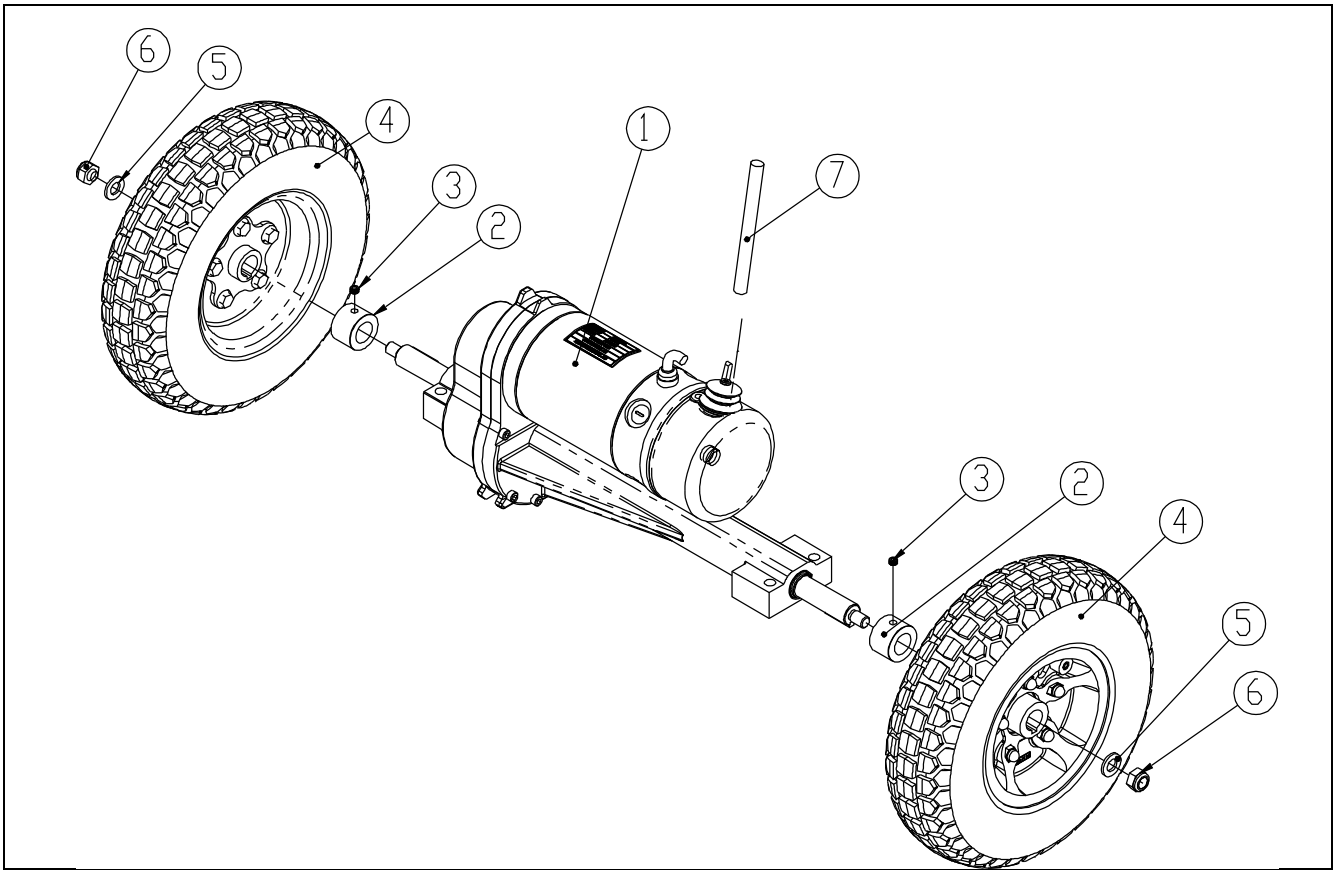
Pos	Article number	Units	Description	Price 2008
1	110.00082.000	1	Rear Suspension Bridge	£122,82
2	No spare part	1	Label "serial number"	-
3	00001.1110	2	Rivet pop	£0,21
4	258.00361.000	4	Plastic wheel	£4,14
5	00000.2003	8	Flat washer M8 black	£0,14
6	00000.1702	2	Lock nut M8xP1.25 black	£0,21
7	1001232	2	Screw M8xP1.25x75L black	£0,35
8	126.00021.000	1	Rear bumper	£52,44
9	00000.2004	2	Flat washer M10	£0,14
10	00000.1703	2	Lock nut M10xP1.5	£0,35
11	1001233	4	Bushing	£0,76

026: REAR TIRE ASSY Article number: 170.00352.000 £ 67,62



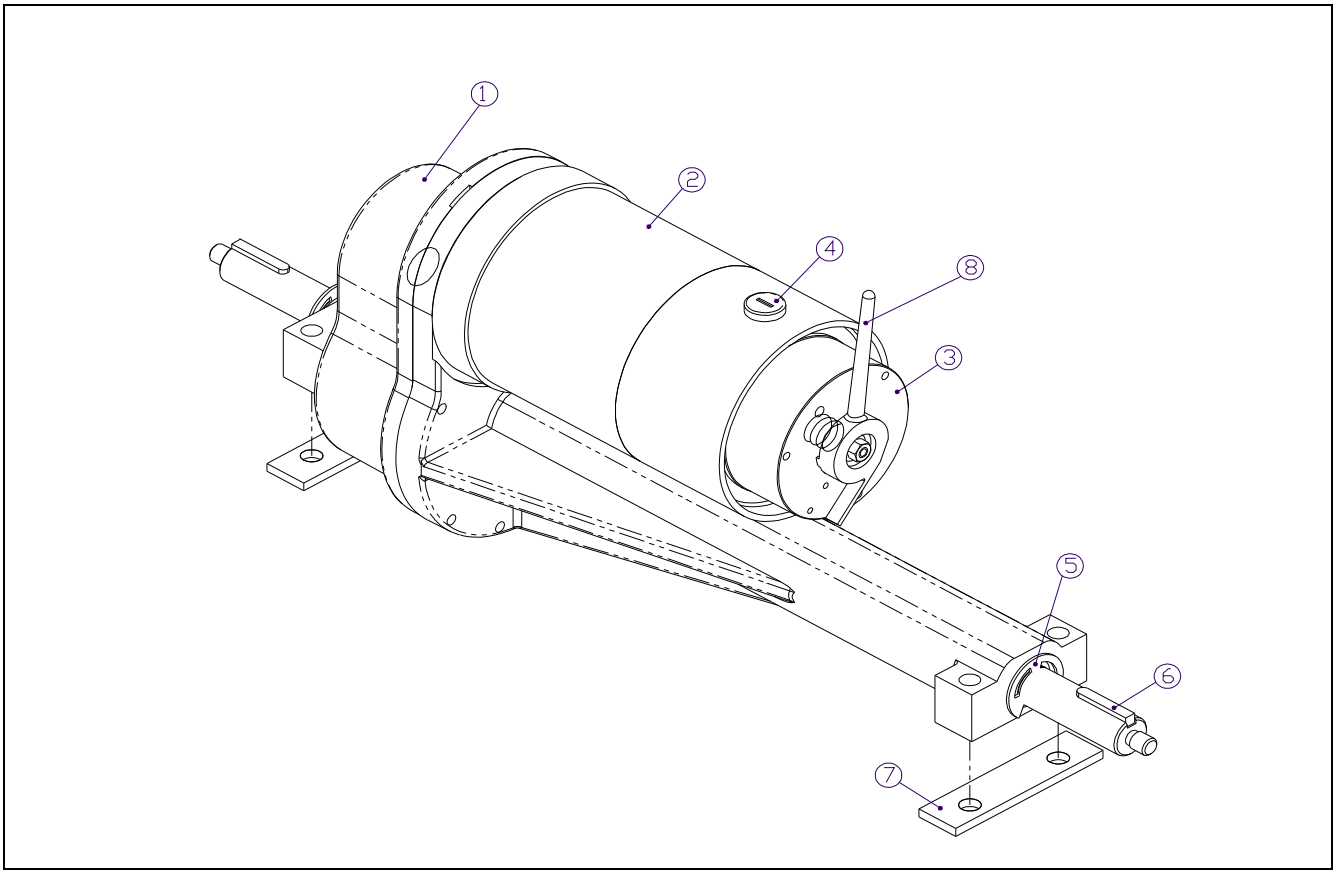
Pos	Article number	Units	Description	Price 2008
1	176.00202.000	1	Hub	£8,28
2	172.00051.000	1	Outer tire 4.10x3.50x6"	£24,84
3	176.00191.000	1	Spacer Bush	£1,59
4	00001.1462	1	Label max 2.7 bar	£0,35
5	17.300.052.000	1	Outer Rim 6"	£26,91
6	17.300.042.000	1	Inner Rim 6"	£13,11
7	171.00021.000	1	Tube Inner with Cap	£10,35
8	00000.4135	5	Screw M8xP1.25x25L	£0,14
9	00000.2203	5	Spring washer SW8	£0,14
10	00000.1802	5	Nut M8xP1.25	£0,41

027: TRANSAXLE ASSY



Pos	Article number	Units	Description	Price 2008
1	See 028 and 029	1	Transaxle	-
2	1001246	2	Collar	£2,28
3	1001247	2	Set Screw M8xP1.25x5L	£0,21
4	170.00352.000	2	Rear tire Assy	£67,62
5	1001387	2	Flat washer 12x24x2.5	£0,35
6	00000.1703	2	Lock nut M12xP1.75	£0,35
7	105.00081.000	1	Freewheel lever 12.7x140	£7,59

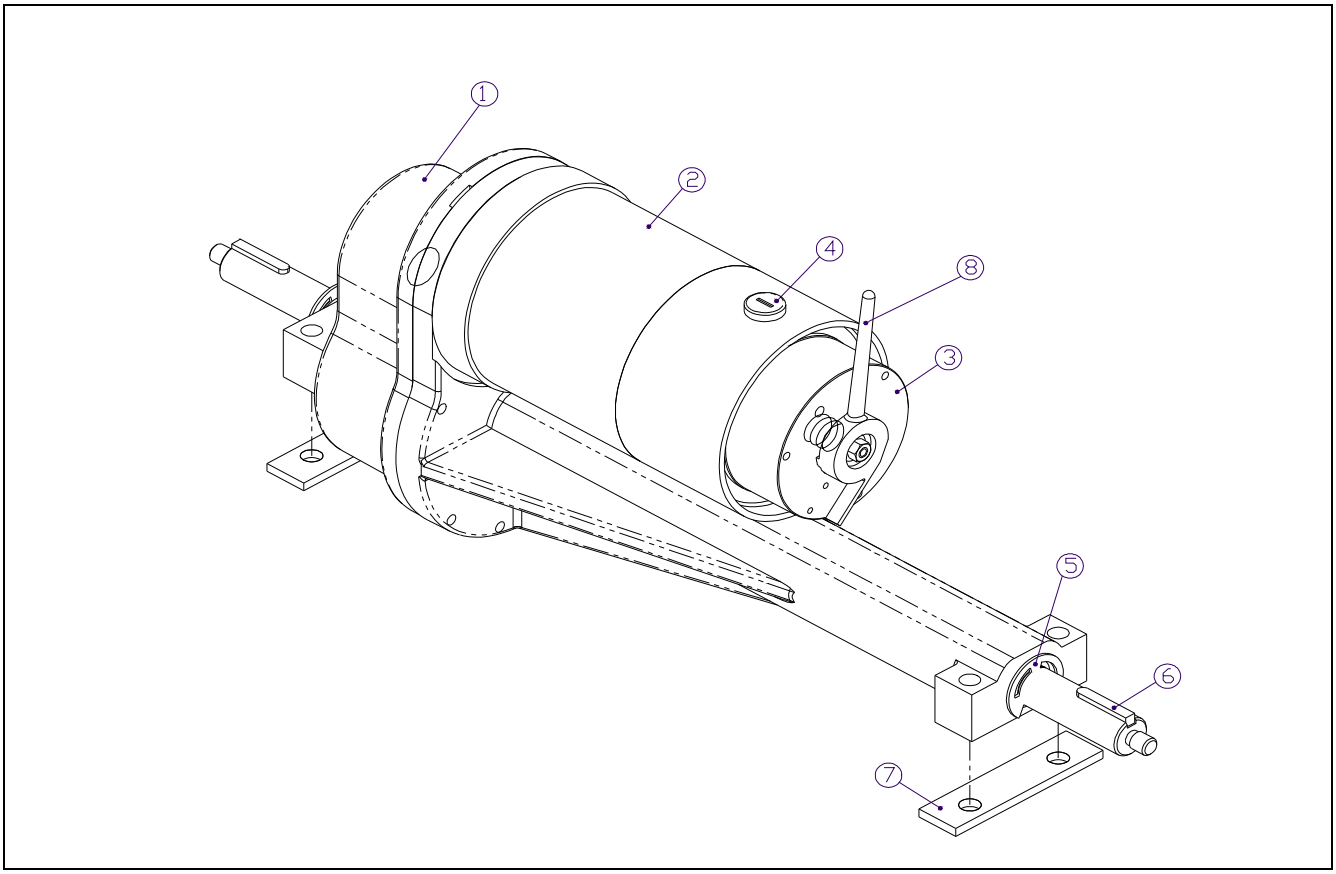
028: MOTOR TRANSAXLE BRAKE 15 KMPH (AMT SCHMID)



Pos	Article number	Units	Description	Price 2008
1	1002356	1	Transaxle 15 kmph [M12] AMT Schmid	£775,00
2	No spare part	1	Motor 15 kmph	-
3	1003267	1	Brake Assy	£165,92
4	1002646	2	Motor brush	£3,93
5	No spare part	2	Clip E19	£0,28
6	103.00091.000	2	Wedge	£7,59
7	9000689	2	Transaxle mat	£0,76
8	No spare part	1	Transaxle handle	£7,59

-	1003209	1	Friction plate	£51,06

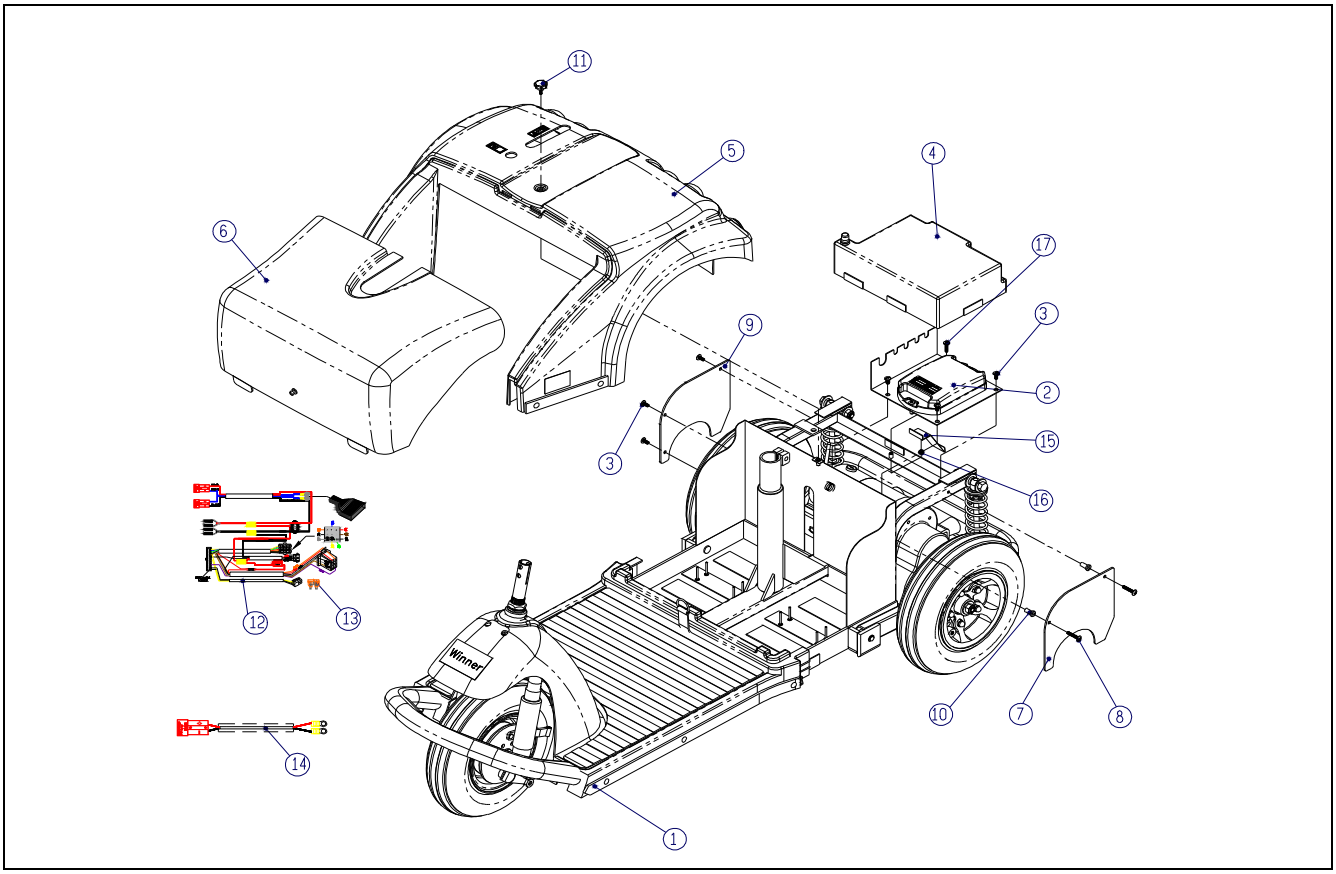
029: MOTOR TRANSAXLE BRAKE 9 KMPH HEAVY DUTY (AMT SCHMID)



Pos	Article number	Units	Description	Price 2008
1	1002349	1	Transaxle 9 kmph [M12] AMT Schmid	£875,00
2	No spare part	1	Motor 15 kmph	-
3	1003267	1	Brake Assy	£165,95
4	1002646	2	Motor brush	£3,93
5	001.06010.003	2	Clip E19	£0,28
6	103.00091.000	2	Wedge	£7,59
7	9000689	2	Transaxle mat	£0,76
8	No spare part	1	Transaxle handle	£7,59

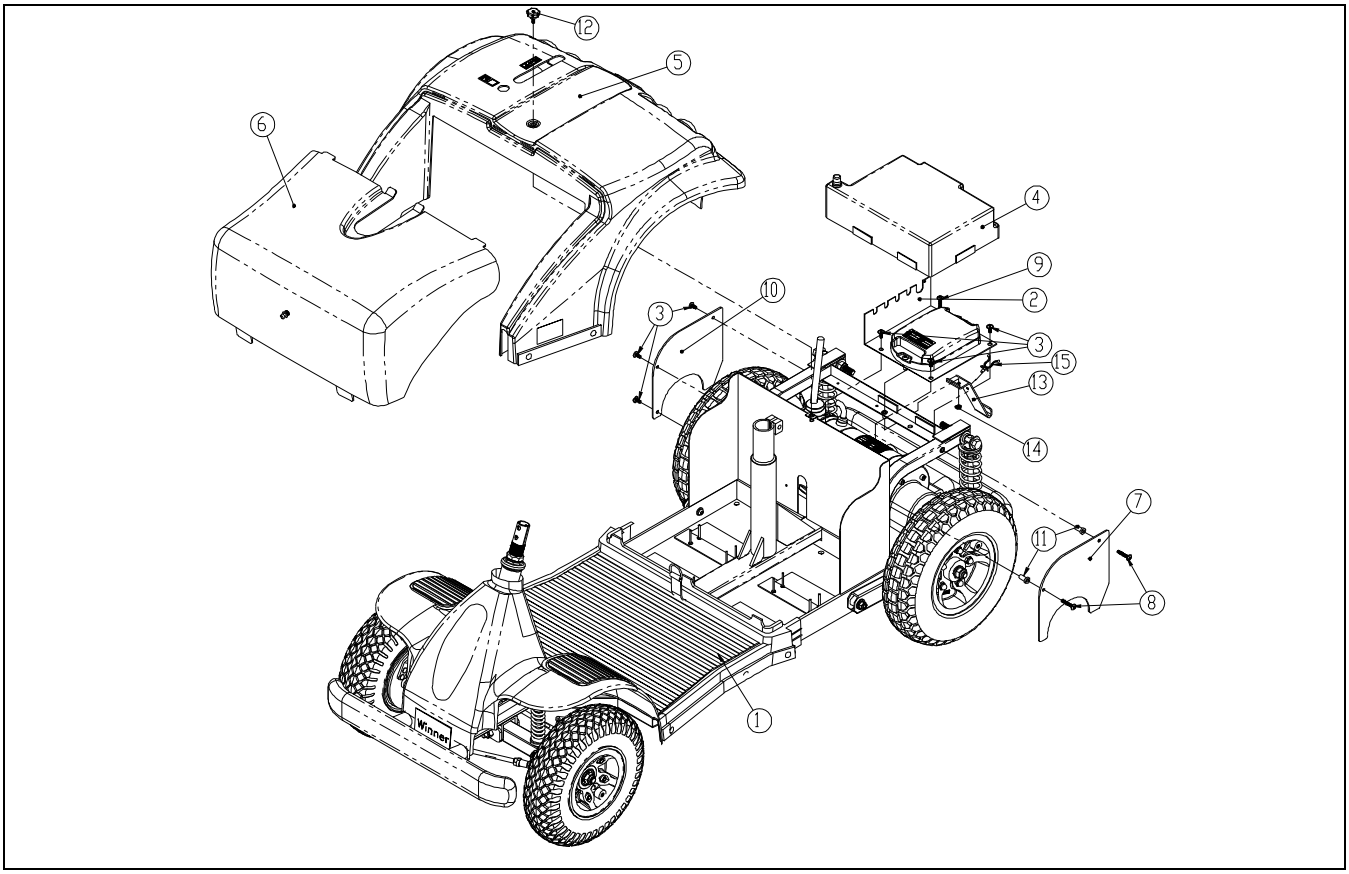
-	1003209	1	Friction plate	£51,06

030: SCOOTER ASSY (3W)



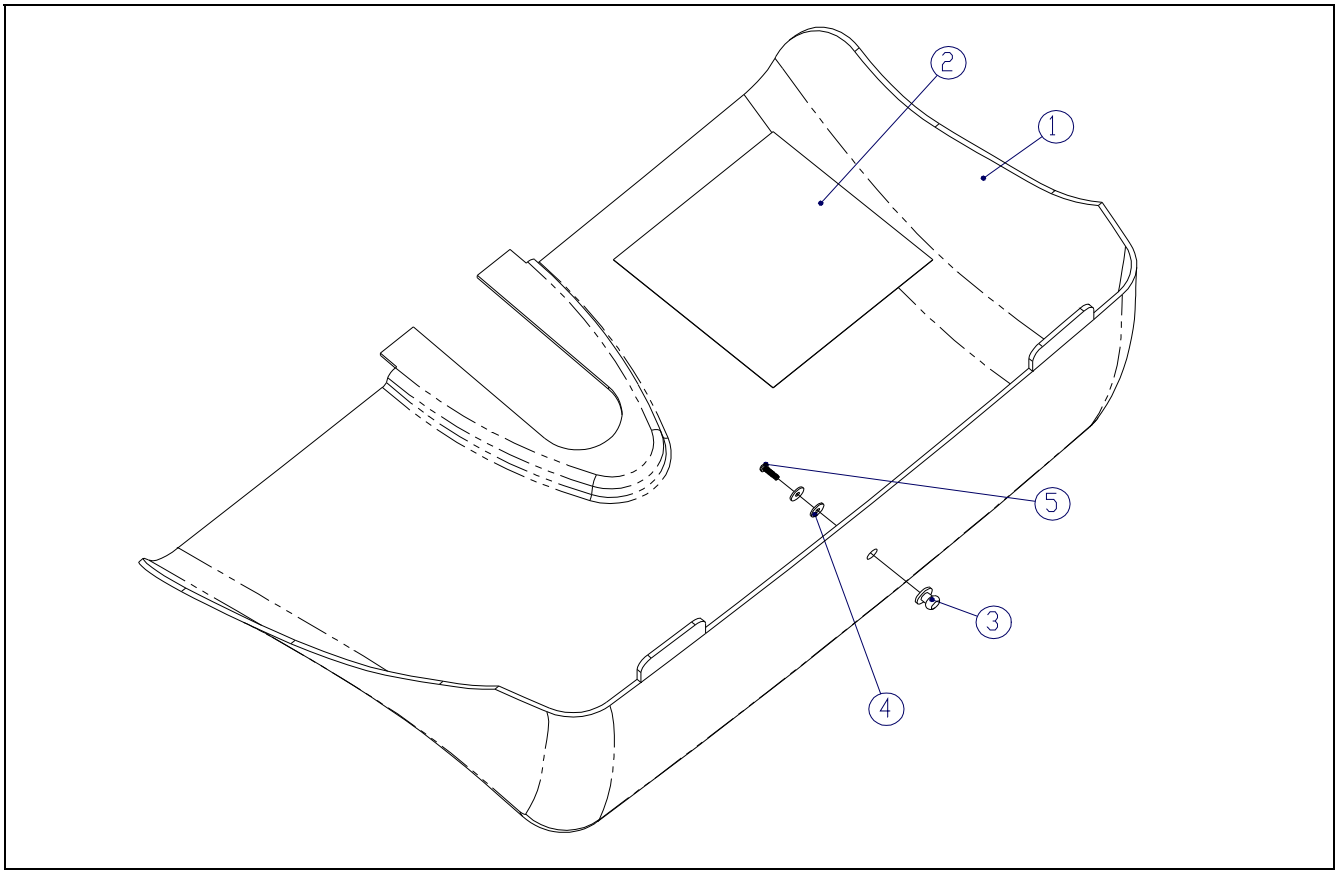
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	3W scooter pro assy	-
2	No spare part	1	Controller assy	-
3	00000.3200	6	Screw M5xP0.8x12L	£0,14
4	No spare part	1	Controller cover assy	-
5	052.00312.000	1	Rear motor cover assy	£193,89
6	052.00452.000	1	Battry cover assy	£133,17
7	1001302	1	Transaxle plate (LH)	£8,97
8	1001303	2	Screw M5xP0.8x30L	£0,14
9	1001304	1	Transaxle plate (RH)	£8,97
10	1001305	2	Bush	£0,76
11	1001306	1	Star knob	£1,52
12	055.00421.000	1	Controller wire assy	£50,37
13	005.01180.000	1	Fuse 5A	£1,73
14	055.00431.000	2	Battery power wire	£21,39
15	1001307	1	Fix bracket rear shroud	£8,97
16	00000.1700	1	Lock nut M5xP0.8	£0,14
17	00000.3204	1	Screw M5xP0.8x25L	£0,21

031: SCOOTER ASSY (4W)



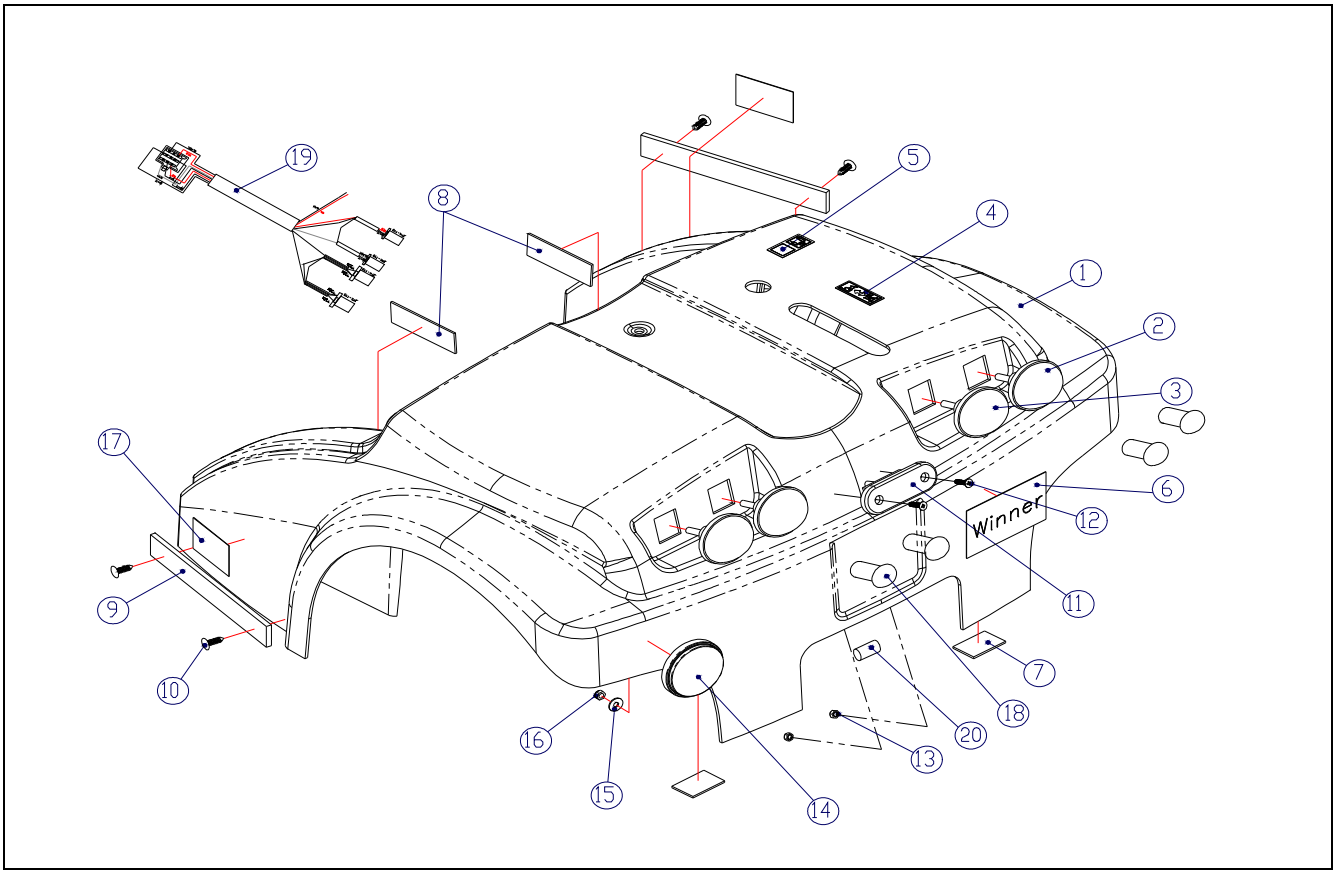
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	4w scooter por assy	-
2	No spare part	1	Controller assy	-
3	00000.3200	6	Bolt M5*P0.8*12mm	£0,14
4	1001288	1	Controller cover	£19,32
5	052.00312.000	1	Rear cover assy	£193,89
6	052.00452.000	1	Battery cover assy	£133,17
7	1001302	1	Mud guard 1.2t*168*187 LH	£8,97
8	1001303	2	Bolt M5*P0.8*30mm	£0,14
9	00000.3204	1	Bolt M5*P0.8*25mm	£0,21
10	1001304	1	Mud guard 1.2t*168*187 RH	£8,97
11	1001305	2	Bush 12*23mm	£0,76
12	1001306	1	Knob	£1,52
13	1001307	1	Bracket for rear cover	£8,97
14	00000.1700	1	Lock nut M5*P0.8	£0,14
15	No spare part	1	Twist cable clip	-

032: BATTERY COVER ASSY Article number 052.00452.000 £ 133,17



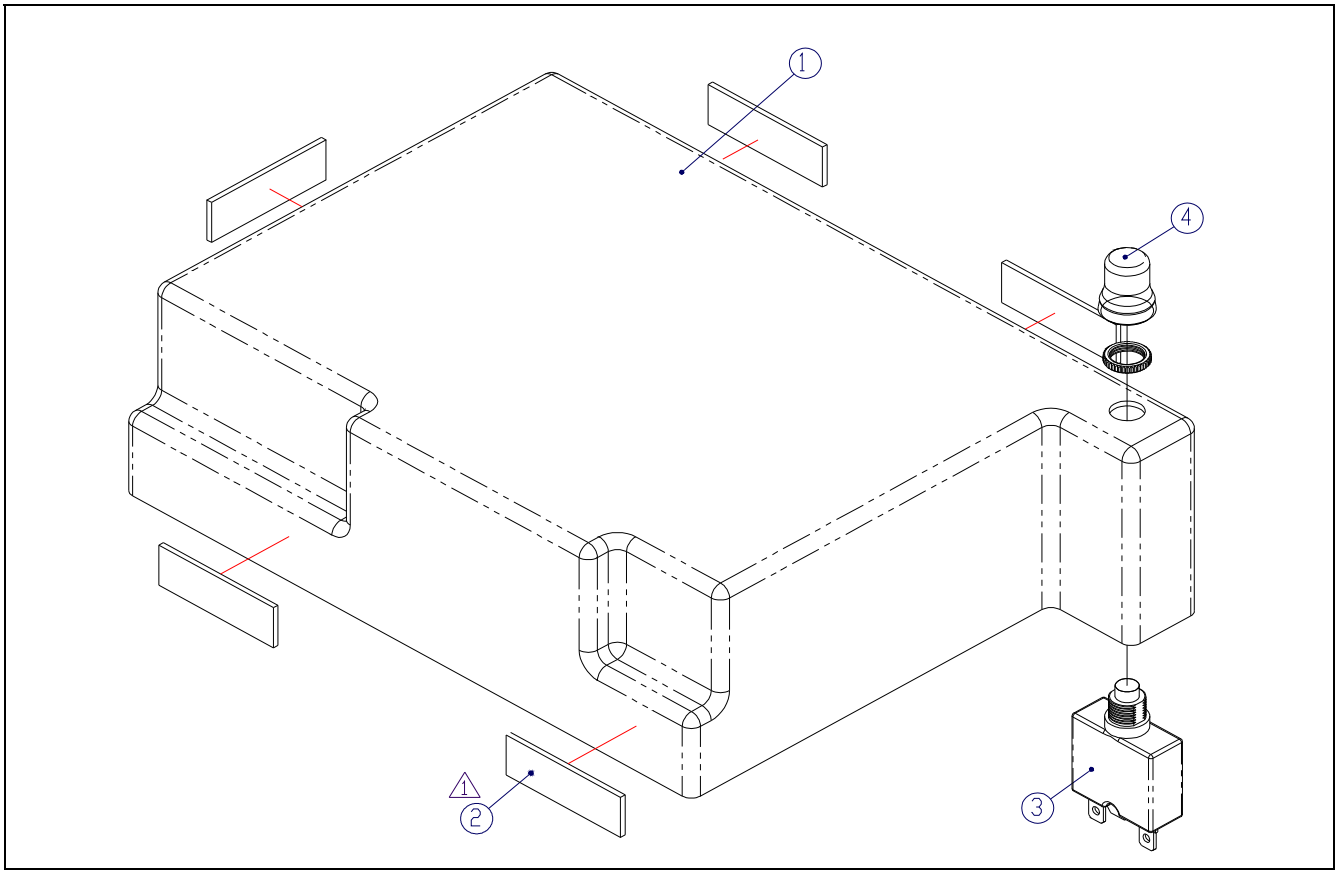
Pos	Article number	Units	Description	Price 2008
1	No spare part	1	Battery cover	-
2	008.00000.591	1	Label circuit diagram	£2,28
3	1001284	1	Window post	£1,52
4	00000.2009	2	Flat washer M3	£0,14
5	1001286	1	Screw M3xP0.5x10L	£0,14

033: REAR MOTOR COVER ASSY Article number 052.00312.000 £ 193,89



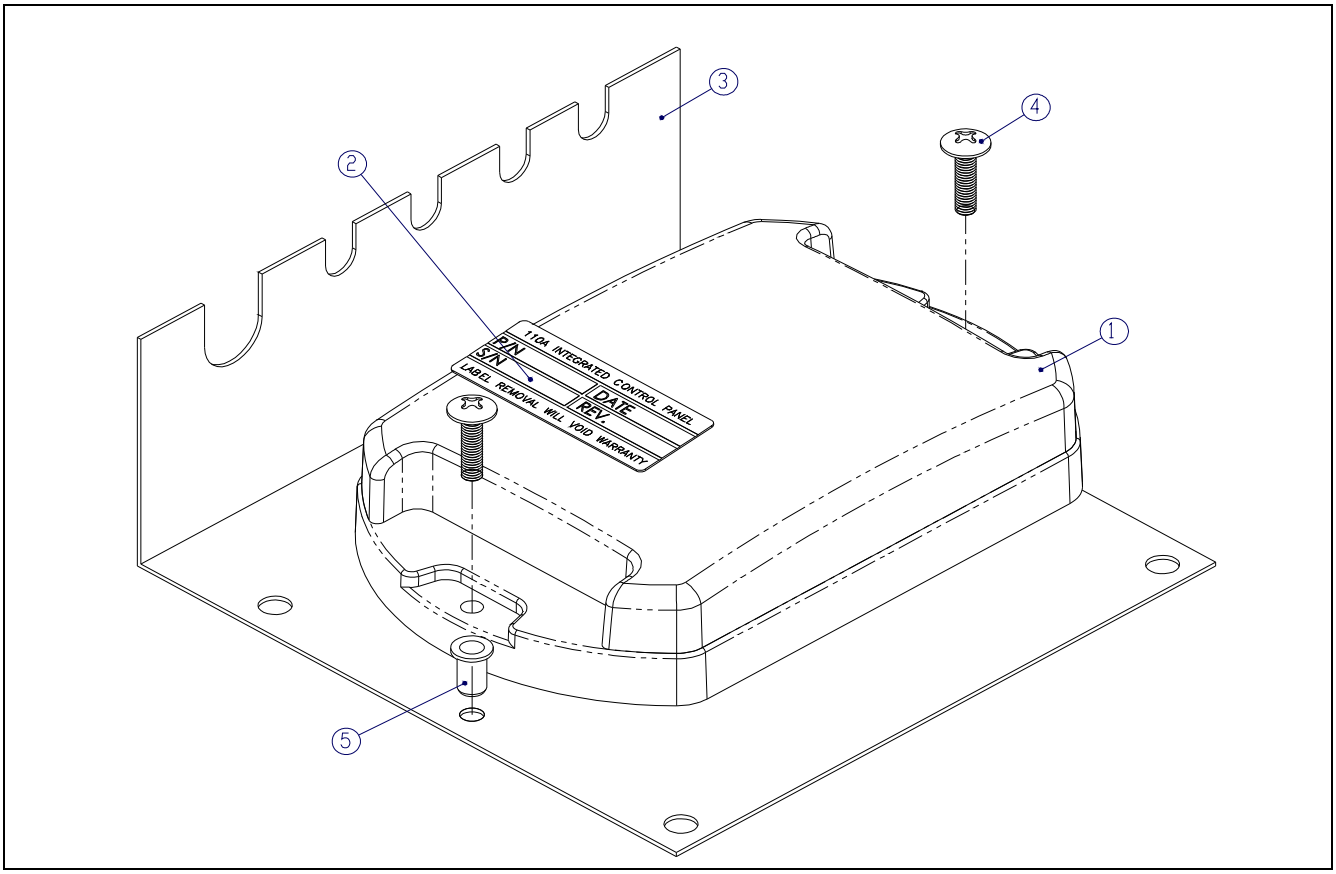
Pos	Article number	Units	Description	Price 2008
1	052.00392.000	1	Rear motor cover	£148,35
2	264.00101.000	1	Rear indicator assy (orange)	£10,35
3	264.00091.000	1	Warning light assy (red)	£10,35
4	008.00000.411	1	Label engage/release	£0,76
5	008.00000.421	1	Label circuit breaker	£0,76
6	008.00000.401	1	Label "Winner"	£9,47
7	1001268	2	Velcro-loops	£0,76
8	1001269	2	Velcro-loops	£0,76
9	126.00052.000	2	Bumper trim	£4,35
10	001.15010.002	4	Snap button	£0,21
11	1001280	1	Break light assy	£21,39
12	00000.3600	2	Screw M4xP0.7x16L	£0,14
13	00000.1705	2	Lock nut M4xP0.7	£0,14
14	051.00021.000	1	Reflector (red)	£1,73
15	00000.2001	1	Flat washer M5	£0,14
16	00000.1700	1	Lock nut M5xP0.8	£0,14
17	008.00000.291	2	Label Handicare	£2,28
18	1001281	4	Bulb DC24V 5W T9.5	£0,76
19	055.00411.000	1	Rear light cable assy	£27,60

034: CONTROLLER COVER ASSY



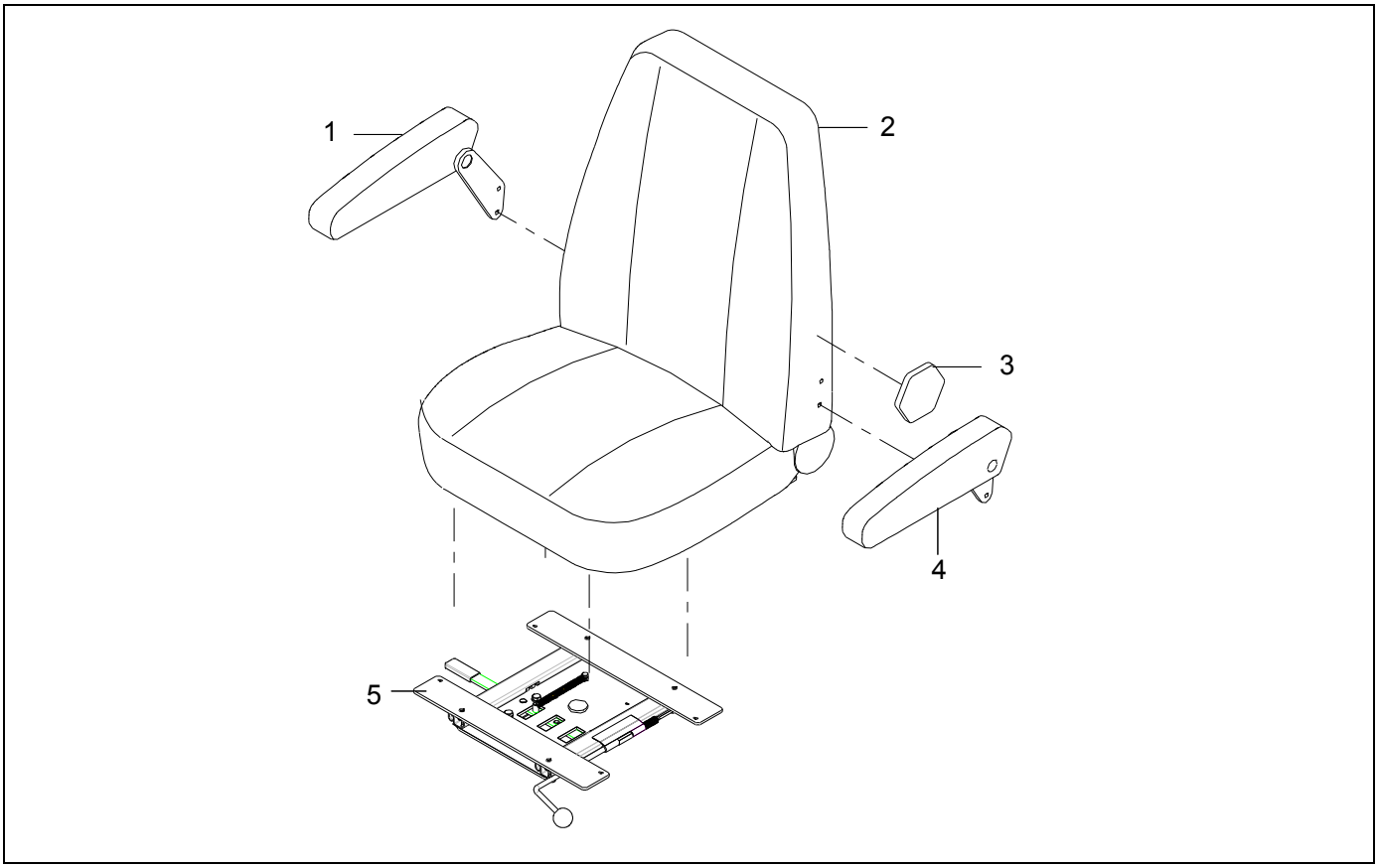
Pos	Article number	Units	Description	Price 2008
1	1001288	1	Cover of controller	£19,32
2	1001268	5	Velcro-loops	£0,76
3	1001290	1	Circuit breaker 60A	£28,29
4	1001291	1	Cap of circuit breaker 60A	£7,59

035: CONTROLLER ASSY



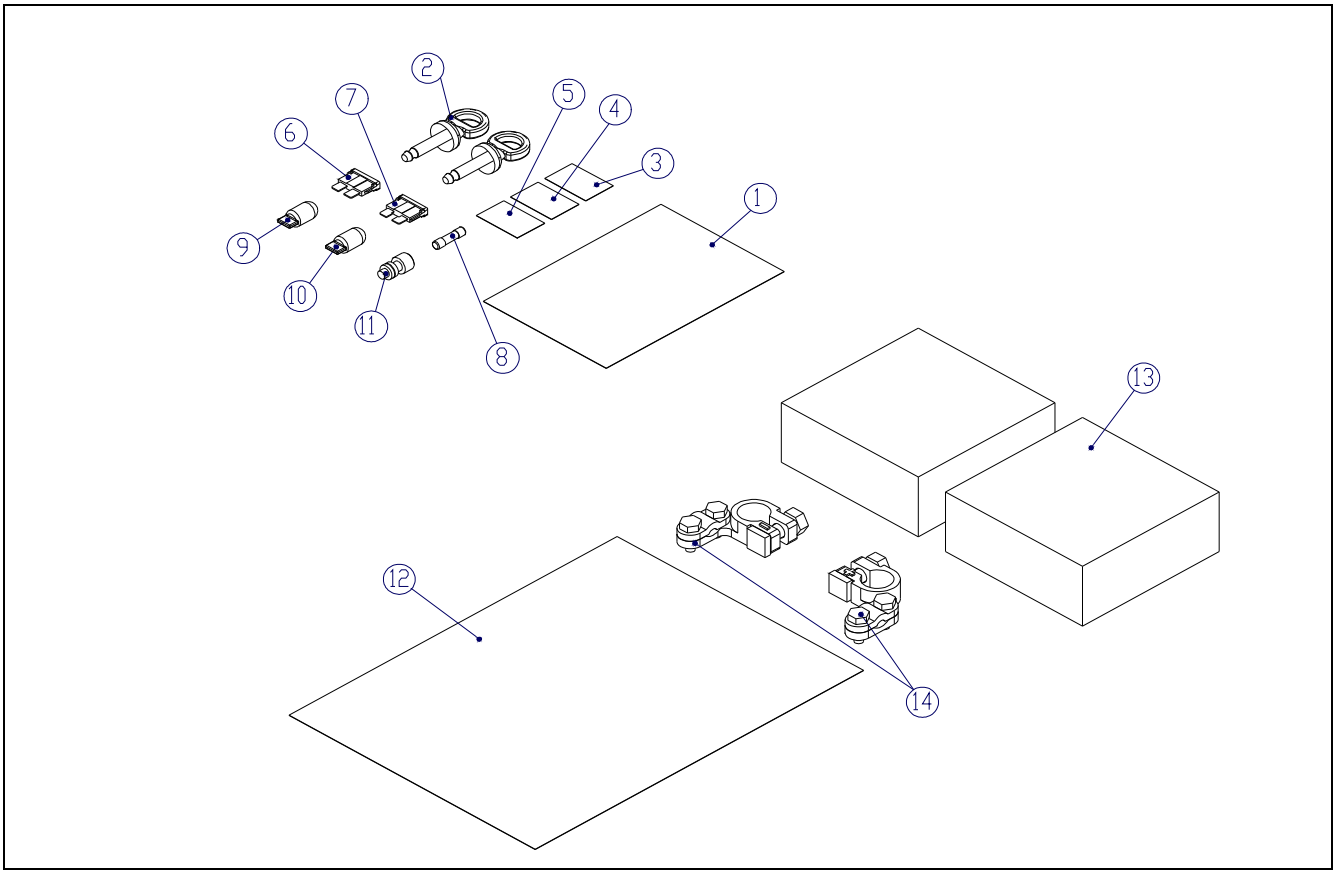
Pos	Article number	Units	Description	Price 2008
1	162.00031.000	1	Controller 110A (not programmed)	£314,64
2	No spare part	1	Label control panel s/n	-
3	1001295	1	Controller bracket	£13,11
4	No spare part	2	Screw M5xP0.8x20L	-
5	No spare part	2	Nut-inserts	-

036: SEAT & SEAT FRAME



Pos	Article number	Units	Description	Price 2008
1	118.00221.000	1	Armrest, right	£84,18
2	1002861	1	Master seat with armrests	£305,67
3	1003383	1	Lumbar knob	£8,28
4	118.00231.000	1	Armrest, left	£84,18
5	9000034	1	Seat frame with slider (right-side operation)	£101,43

037: WINNER PARTS PACK Article number: 1001371 £ 26,91



Pos	Article number	Units	Description	Price 2008
1	No spare part	1	NO:4 Plastic bag	-
2	1001372	2	Contact key	£2,28
3	7769	1	Label 8 kmph	£1,52
4	7770	1	Label 12 kmph	£0,76
5	7771	1	Label 15 kmph	£0,76
6	005.01210.000	1	Fuse 15A	£1,73
7	005.01180.000	1	Fuse 5A	£1,73
8	1001331	1	Fuse 2A glass	£0,35
9	1001281	1	Bulb for rear light DC24V 5W T9.5	£0,76
10	264.00121.000	1	Bulb for head light DC24V 3W	£1,38
11	1001376	1	Valve converter	£1,52
12	No spare part	1	NO:10 Plastic bag	-
13	1001377	2	Foam block 100x100x40mm	£2,28
14	00001.0006	1	Battery clamp +	£2,48
14	00001.0007	1	Battery clamp -	£2,62